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Document And Entity Information (USD \$)	12 Months Ended		
	Sep. 30, 2017	Nov. 08, 2017	Mar. 31, 2017
<b>Document Information [Line Items]</b>			
Entity Registrant Name	Clearfield, Inc.		
Entity Central Index Key	0000796505		
Trading Symbol	cfd		
Current Fiscal Year End Date	--09-30		
Entity Filer Category	Accelerated Filer		
Entity Current Reporting Status	Yes		
Entity Voluntary Filers	No		
Entity Well-known Seasoned Issuer	No		
Entity Common Stock, Shares Outstanding (in shares)	13,811,455		
Entity Public Float	\$ 189,907,864		
Document Type	10-K		
Document Period End Date	Sep. 30, 2017		
Document Fiscal Year Focus	2017		
Document Fiscal Period Focus	FY		
Amendment Flag	false		

Balance Sheets (USD \$)	Sep. 30, 2017	Sep. 30, 2016
<b>Current Assets</b>		
Cash and cash equivalents	\$ 18,536,111	\$ 28,014,321
Short-term investments	5,937,150	5,527,075
Accounts receivable, net	7,237,641	7,999,210
Inventories	8,453,567	8,373,155
Other current assets	978,933	1,198,917
Total current assets	41,143,402	51,112,678
Property, plant and equipment, net	5,434,172	5,780,814
<b>Other Assets</b>		
Long-term investments	19,816,000	10,703,000
Goodwill	2,570,511	2,570,511
Other	529,952	428,310
Total other assets	22,916,463	13,701,821
Total Assets	69,494,037	70,595,313
<b>Current Liabilities</b>		
Accounts payable	1,739,791	2,573,292
Accrued compensation	2,410,026	4,697,138
Accrued expenses	93,304	75,306
Total current liabilities	4,243,121	7,345,736
<b>Other Liabilities</b>		
Deferred taxes	444,076	411,779
Deferred rent	281,720	243,755
Total other liabilities	725,796	655,534
Total Liabilities	4,968,917	8,001,270
Commitment and Contingencies		
<b>Shareholders' Equity</b>		
Common stock, \$.01 par value; 50,000,000 shares authorized; 13,812,821 and 14,126,279 shares issued and outstanding at September 30, 2017 and 2016, respectively	138,128	141,263
Additional paid-in capital	55,406,888	57,320,515
Retained earnings	8,980,104	5,132,265
Total shareholders' equity	64,525,120	62,594,043
Total Liabilities and Shareholders' Equity	69,494,037	70,595,313
<b>Series B Preferred Stock [Member]</b>		
<b>Shareholders' Equity</b>		
Preferred stock, \$.01 par value; 500,000 shares; no shares issued or outstanding		

Balance Sheets (Parentheticals) (USD \$)	Sep. 30, 2017	Sep. 30, 2016
Preferred stock, authorized shares (in shares)	5,000,000	
Common stock, par value (in dollars per share)	\$ 0.01	\$ 0.01
Common stock, shares authorized (in shares)	50,000,000	50,000,000
Common stock, shares issued (in shares)	13,812,821	14,126,279
Common stock, shares outstanding (in shares)	13,812,821	14,126,279
<b>Series B Preferred Stock [Member]</b>		
Preferred stock, par value (in dollars per share)	\$ 0.01	\$ 0.01
Preferred stock, authorized shares (in shares)	500,000	500,000
Preferred stock, shares issued (in shares)	0	0
Preferred stock, shares outstanding (in shares)	0	0

Statements of Earnings (USD \$)	12 Months Ended		
	Sep. 30, 2017	Sep. 30, 2016	Sep. 30, 2015
Net sales	\$ 73,947,619	\$ 75,287,726	\$ 60,323,917
Cost of sales	43,683,360	42,417,478	35,455,964
Gross profit	30,264,259	32,870,248	24,867,953
<b>Operating expenses</b>			
Selling, general, and administrative	24,952,376	22,138,556	17,816,598
Income from operations	5,311,883	10,731,692	7,051,355
Interest income	273,930	157,402	105,891
Income before income taxes	5,585,813	10,889,094	7,157,246
Income tax expense	1,737,974	2,876,032	2,475,238
Net income	\$ 3,847,839	\$ 8,013,062	\$ 4,682,008
Net income per share Basic (in dollars per share)	\$ 0.28	\$ 0.60	\$ 0.35
Net income per share Diluted (in dollars per share)	\$ 0.28	\$ 0.59	\$ 0.34
Basic (in shares)	13,532,375	13,372,579	13,216,010
Diluted (in shares)	13,660,806	13,663,349	13,587,532

Statements of Shareholders' Equity (USD \$)	Common Stock [Member]	Additional Paid-in Capital [Member]	Retained Earnings [Member]	Total
Balance at Sep. 30, 2014	\$ 137,430	\$ 56,036,989	\$ (9,427,785)	\$ 46,746,634
Balance (in shares) at Sep. 30, 2014	13,742,964			
Stock-based compensation expense		1,074,727		1,074,727
Repurchase of common stock (in shares)	(72,089)			
Repurchase of common stock	(721)	(848,436)		(849,157)
Restricted stock issuance, net (in shares)	(7,900)			
Restricted stock issuance, net	(79)	79		
Employee stock purchase plan (in shares)	20,216			
Employee stock purchase plan	202	211,257		211,459
Exercise of stock options, net of shares exchanged for payment (in shares)	60,011			
Exercise of stock options, net of shares exchanged for payment	600	42,506		43,106
Tax withholding related to vesting of restricted stock grants and exercise of stock options (in shares)	(37,544)			
Tax withholding related to vesting of restricted stock grants and exercise of stock options	(375)	(638,932)		(639,307)
Excess tax benefit of stock options exercised		9,660		9,660
Net income			4,682,008	4,682,008
Balance at Sep. 30, 2015	137,057	55,887,850	(4,745,777)	51,279,130
Balance (in shares) at Sep. 30, 2015	13,705,658			
Stock-based compensation expense		1,404,899		1,404,899
Repurchase of common stock (in shares)	(27,090)			
Repurchase of common stock	(271)	(333,490)		(333,761)
Restricted stock issuance, net (in shares)	258,266			
Restricted stock issuance, net	2,583	(2,583)		
Employee stock purchase plan (in shares)	22,318			
Employee stock purchase plan	223	254,203		254,426
Exercise of stock options, net of shares exchanged for payment (in shares)	191,853			
Exercise of stock options, net of shares exchanged for payment	1,918	546,926		548,844
Tax withholding related to vesting of restricted stock grants and exercise of stock options (in shares)	(24,726)			
Tax withholding related to vesting of restricted stock grants and exercise of stock options	(247)	(437,290)		(437,537)
Net income			8,013,062	8,013,062
Establishment of deferred tax asset for the adoption of ASU 2016-09			1,864,980	1,864,980
Balance at Sep. 30, 2016	141,263	57,320,515	5,132,265	62,594,043
Balance (in shares) at Sep. 30, 2016	14,126,279			
Stock-based compensation expense		2,319,975		2,319,975
Repurchase of common stock (in shares)	(270,124)			
Repurchase of common stock	(2,701)	(3,644,613)		(3,647,314)
Restricted stock issuance, net (in shares)	(7,809)			
Restricted stock issuance, net	(78)	78		
Employee stock purchase plan (in shares)	25,867			
Employee stock purchase plan	258	334,434		334,692
Exercise of stock options, net of shares exchanged for payment (in shares)	14,053			
Exercise of stock options, net of shares exchanged for payment	140	28,577		28,717
Tax withholding related to vesting of restricted stock grants and exercise of stock options (in shares)	(75,445)			
Tax withholding related to vesting of restricted stock grants and exercise of stock options	(754)	(952,078)		(952,832)
Net income			3,847,839	3,847,839
Balance at Sep. 30, 2017	\$ 138,128	\$ 55,406,888	\$ 8,980,104	\$ 64,525,120
Balance (in shares) at Sep. 30, 2017	13,812,821			

Statements of Cash Flows (USD \$)	12 Months Ended		
	Sep. 30, 2017	Sep. 30, 2016	Sep. 30, 2015
<b>Cash flows from operating activities:</b>			
Net income	\$ 3,847,839	\$ 8,013,062	\$ 4,682,008
<b>Adjustments to reconcile net income to cash provided by operating activities:</b>			
Depreciation and amortization	1,622,094	1,449,202	1,216,083
Impairment of long-lived assets	643,604	0	0
Deferred income taxes	32,297	2,340,771	2,342,045
Loss on disposal of assets	35,281	12,348	23,196
Stock-based compensation expense	2,319,975	1,404,899	1,074,727
<b>Changes in operating assets and liabilities:</b>			
Accounts receivable, net	761,569	(1,988,310)	(983,044)
Inventories	(80,412)	(1,190,301)	(1,792,512)
Other current assets	180,456	(812,811)	121,381
Accounts payable and accrued expenses	(3,064,650)	2,323,891	164,336
Net cash provided by operating activities	6,298,053	11,552,751	6,848,220
<b>Cash flows from investing activities:</b>			
Purchases of property, plant and equipment	(1,951,615)	(1,550,128)	(4,518,782)
Purchase of investments	(17,630,075)	(8,138,075)	(10,374,000)
Proceeds from sale of property and equipment	5,100	729	79,936
Patent additions	(69,936)	(77,138)	(24,418)
Sale of investments	8,107,000	8,123,000	9,093,000
Net cash used in investing activities	(11,539,526)	(1,641,612)	(5,744,264)
<b>Cash flows from financing activities:</b>			
Repurchase of common stock	(3,647,314)	(333,761)	(849,157)
Proceeds from issuance of common stock under employee stock purchase plan	334,692	254,426	211,459
Proceeds from issuance of common stock	28,717	548,844	43,106
Excess tax benefit from exercise of stock options			9,660
Tax withholding related to vesting of restricted stock grants and exercise of stock options	(952,832)	(437,537)	(639,307)
Net cash (used in) provided by financing activities	(4,236,737)	31,972	(1,224,239)
(Decrease) increase in cash and cash equivalents	(9,478,210)	9,943,111	(120,283)
Cash and cash equivalents at beginning of year	28,014,321	18,071,210	18,191,493
Cash and cash equivalents at end of year	18,536,111	28,014,321	18,071,210
<b>Supplemental cash flow information</b>			
Cash paid during the year for income taxes, net of refunds	1,471,203	1,130,930	50,850
<b>Non-cash financing activities</b>			
Cashless exercise of stock options	34,268	853,033	207,738
Establishment of deferred tax asset for the adoption of ASU 2016-09		\$ 1,864,980	

Note A - Summary of Significant Accounting Policies	12 Months Ended		
	Sep. 30, 2017		
<b>Notes to Financial Statements</b>			
Significant Accounting Policies [Text Block]	<b>NOTE A – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES</b>		
	<p><b>Description of Business:</b> Clearfield, Inc., (the “Company”) is a manufacturer of a broad range of standard and custom passive connectivity products to customers throughout the United States and internationally. These products include fiber distribution systems, optical components, Outside Plant (“OSP”) cabinets, and fiber and copper cable assemblies that serve the communication service provider, including Fiber-to-the-Premises (“FTTP”), large enterprise, and original equipment manufacturer (“OEM”) markets.</p>		
	<p><b>Revenue Recognition:</b> Revenue is recognized when persuasive evidence of an arrangement exists, the product has been delivered, the fee is fixed, acceptance by the customer is reasonably certain and collection is reasonably assured. This generally occurs upon shipment of product to the customer. Sales of the Company’s products are subject to limited warranty obligations that are included in the Company’s terms and conditions. Also, the Company offers limited discounts and rebates to customers which are recorded in net sales on an estimated basis as the sales are recognized. The Company records freight revenues billed to customers as sales and the related shipping and handling cost in cost of sales. Taxes collected from customers and remitted to governmental authorities are presented on a net basis.</p>		
	<p><b>Cash and Cash Equivalents:</b> The Company considers all highly liquid investments with original maturities of three months or less to be cash equivalents. Cash equivalents at September 30, 2017 and 2016 consist entirely of short-term money market accounts.</p>		
	<p>The Company maintains cash balances at several financial institutions, and at times, such balances exceed insured limits. The Company has not experienced any losses in such accounts and believes it is not exposed to any significant credit risk on cash and cash equivalents.</p>		
	<p><b>Investments:</b> The Company currently invests its excess cash in bank certificates of deposit (“CD’s”) that are fully insured by the Federal Deposit Insurance Corporation (“FDIC”) with a term of not more than five years. CD’s with original maturities of more than three months are reported as held-to-maturity investments and are recorded at amortized cost, which approximates fair value due to the negligible risk of changes in value due to interest rates. The maturity dates of our CD’s are as follows:</p>		
		September 30, 2017	September 30, 2016
	Less than one year	\$ 5,937,150	\$ 5,527,075
	1-5 years	19,816,000	10,703,000
	Total	<u>\$ 25,753,150</u>	<u>\$ 16,230,075</u>

**Accounts Receivable:** Credit is extended based on the evaluation of a customer's financial condition and collateral is generally not required. Accounts that are outstanding longer than the contractual payment terms are considered past due. The Company does not charge interest on past due receivables. The Company determines its allowance by considering a number of factors, including the length of time trade receivables are past due, the Company's previous loss history, the customer's current ability to pay its obligation to the Company, and the condition of the general economy and the industry as whole. The Company writes off accounts receivable when they become uncollectible; payments subsequently received on such receivables are credited to the allowance for doubtful accounts.

The allowance for doubtful accounts activity for the years ended September 30, 2017, 2016, and 2015 is as follows:

Year Ended	Balance at Beginning of Year	Additions Charged to Costs and Expenses	Less Write-offs	Balance at End of Year
September 30, 2017	\$ 93,473	\$ -	\$ (14,388)	\$ 79,085
September 30, 2016	79,473	25,000	(11,000)	93,473
September 30, 2015	97,950	-	(18,477)	79,473

**Fair Value of Financial Instruments:** The financial statements include the following financial instruments: cash and cash equivalents, short-term investments, long-term investments, accounts receivable, accounts payable and accrued expenses. Other than long-term investments, all financial instruments' carrying values approximate fair values because of the short-term nature of the instruments. Long-term investments' carrying value approximates fair value due to the negligible risk of changes in value due to interest rates.

**Inventories:** Inventories consist of finished goods, raw materials and work in process and are stated at the lower of average cost (which approximates first in, first out) or market. Inventory is valued using material costs, labor charges, and allocated factory overhead charges and consists of the following:

	September 30, 2017	September 30, 2016
Raw materials	\$ 5,991,863	\$ 5,702,762
Work-in-process	724,248	471,305
Finished goods	1,737,456	2,199,088
Inventories	\$ 8,453,567	\$ 8,373,155

Inventory is stated at the lower of cost or market. On a regular basis, the Company reviews its inventory and identifies that which is excess, slow moving, and obsolete by considering factors such as inventory levels, expected product life, and forecasted sales demand. Any identified excess, slow moving, and obsolete inventory is written down to its market value through a charge to cost of sales. It is possible that additional inventory write-down charges may be required in the future if there is a significant decline in demand for the Company's products and the Company does not adjust its manufacturing production accordingly or if new products are not accepted by the market.

**Property, Plant and Equipment:** Property, plant and equipment are recorded at cost. Significant additions or improvements extending asset lives are capitalized, while repairs and maintenance are charged to expense when incurred. Depreciation is provided in amounts sufficient to relate the cost of assets to operations over their estimated useful lives. Leasehold improvements are amortized over the shorter of the remaining term of the lease or estimated life of the asset. Estimated useful lives of the assets are as follows:

	Years	
Equipment	3	7
Leasehold improvements	7	10 or life of lease
Vehicles	3	

Property, plant and equipment consist of the following:

	September 30, 2017	September 30, 2016
Manufacturing Equipment	\$ 5,370,962	\$ 4,585,422
Office Equipment	3,600,006	3,513,002
Leasehold Improvements	2,404,331	2,422,669
Vehicles	193,702	193,702
Property, plant and equipment, gross	11,569,001	10,714,795
Less accumulated depreciation	6,134,829	4,933,981
Property, plant and equipment, net	\$ 5,434,172	\$ 5,780,814

Depreciation expense for the years ended September 30, 2017, 2016, and 2015 were \$1,614,272, \$1,445,910, and \$1,214,512, respectively.

**Goodwill and Patents:** The Company operates as one reporting unit and reviews the carrying amount of goodwill annually in the fourth quarter of each fiscal year and more frequently if events or changes in circumstances indicate that the carrying amount of the assets may not be recoverable. The Company determines its fair value for goodwill impairment testing purposes by calculating its market capitalization and comparing that to the Company's carrying value. The Company's goodwill impairment test for the years ended September 30, 2017, 2016, and 2015 resulted in excess fair value over carrying value and therefore, no adjustments were made to goodwill. During the year ended September 30, 2017, there were no triggering events that indicated goodwill could be impaired.

A significant reduction in our market capitalization or in the carrying amount of net assets of a reporting unit could result in an impairment charge. If the carrying amount of a reporting unit exceeds its fair value, the Company would measure the possible goodwill impairment loss based on an allocation of the estimate of fair value of the reporting unit to all of the underlying assets and liabilities of the reporting unit, including any previously unrecognized intangible assets. The excess of the fair value of a reporting unit over the amounts assigned to its assets and liabilities is the implied fair value of goodwill. An impairment loss is recognized to the extent that a reporting unit's recorded goodwill exceeds the implied fair value of goodwill. An impairment loss would be based on significant estimates and judgments, and if the facts and circumstances change, a potential impairment could have a material impact on the Company's financial statements.

No impairment of goodwill has occurred during the years ended September 30, 2017, 2016, or 2015, respectively.

The Company capitalizes legal costs incurred to obtain patents. Once accepted by either the U.S. Patent Office or the equivalent office of a foreign country, these legal costs are amortized using the straight-line method over the remaining estimated lives, not exceeding 20 years. As of September 30, 2017, the Company has 11 patents granted and multiple pending applications both inside and outside the United States.

**Impairment of Long-Lived Assets:** The Company assesses potential impairments to its long-lived assets or asset groups when there is evidence that events occur or changes in circumstances indicate that the carrying amount of an asset or asset group may not be recovered. An impairment loss is recognized when the carrying amount of the long-lived asset or asset group is not recoverable and exceeds its fair value. The carrying amount of a long-lived asset or asset group is not recoverable if it exceeds the

Any required impairment loss is measured as the amount by which the carrying amount of a long-lived asset or asset group exceeds its fair value and is recorded as a reduction in the carrying value of the related asset or asset group and a charge to operating results. During the year ended September 30, 2017, the Company incurred an impairment charge on long-lived assets of \$643,604 which was charged to selling, general, and administrative expenses. This impairment was related to the cancellation of an enterprise resource planning software implementation. No impairment of long-lived assets occurred during the years ended September 30, 2016 or 2015, respectively.

**Income Taxes:** The Company records income taxes in accordance with the liability method of accounting. Deferred taxes are recognized for the estimated taxes ultimately payable or recoverable based on enacted tax law. The Company establishes a valuation allowance to reduce the deferred tax assets when it is more likely than not that a deferred tax asset will not be realizable. Changes in tax rates are reflected in the tax provision as they occur.

In accounting for uncertainty in income taxes, we recognize the financial statement benefit of a tax position only after determining that the relevant tax authority would more likely than not sustain the position following an audit. For tax positions meeting the more likely than not threshold, the amount recognized in the financial statements is the largest benefit that has a greater than 50 percent likelihood of being realized upon ultimate settlement with the relevant tax authority. As of both September 30, 2017 and September 30, 2016, the Company did not have any unrecognized tax benefits. The Company recognizes interest and penalties accrued on any unrecognized tax benefits as a component of income tax expense. We do not expect any material changes in our unrecognized tax benefits over the next 12 months.

**Stock-Based Compensation:** We measure and recognize compensation expense for all stock-based payments at fair value over the requisite service period. We use the Black-Scholes option pricing model to determine the weighted average fair value of options. For restricted stock grants, fair value is determined as the average price of the Company's stock on the date of grant. Equity-based compensation expense is broken out between cost of sales and selling, general and administrative expenses based on the classification of the employee. The determination of fair value of stock-based payment awards on the date of grant using an option-pricing model is affected by our stock price as well as by assumptions regarding a number of subjective variables. These variables include, but are not limited to, the expected stock price volatility over the term of the awards, and actual and projected employee stock option exercise behaviors.

The expected terms of the options are based on evaluations of historical and expected future employee exercise behavior. The risk-free interest rate is based on the U.S. Treasury rates at the date of grant with maturity dates approximately equal to the expected life at grant date. Volatility is based on historical and expected future volatility of the Company's stock. The Company has not historically issued any dividends and does not expect to in the future. Forfeitures for both option and restricted stock grants are estimated at the time of the grant and revised in subsequent periods if actual forfeitures differ from estimates.

If factors change and we employ different assumptions in the determination of the fair value of grants in future periods, the related compensation expense that we record may differ significantly from what we have recorded in the current periods.

**Research and Development Costs:** Research and development costs amounted to \$865,568, \$838,122, and \$750,107, in 2017, 2016, and 2015, respectively, and are charged to expense when incurred.

**Advertising Costs:** Advertising costs amounted to \$378,217, \$350,399, and \$284,093, in 2017, 2016, and 2015, respectively, and are charged to expense when incurred.

**Net Income Per Share:** Basic and diluted net income per share is computed by dividing net income by the weighted average number of common shares outstanding and the weighted average number of dilutive shares outstanding, respectively. Weighted average common shares outstanding for the years ended September 30, 2017, 2016, and 2015 were as follows:

Year ended September 30,	2017	2016	2015
Net income	\$ 3,847,839	\$ 8,013,062	\$ 4,682,008
Weighted average common shares	13,532,375	13,372,579	13,216,010
Dilutive potential common shares	128,431	290,770	371,522
Weighted average dilutive common shares outstanding	13,660,806	13,663,349	13,587,532
Earnings per share:			
Basic	\$ 0.28	\$ 0.60	\$ 0.35
Diluted	\$ 0.28	\$ 0.59	\$ 0.34

There were no potentially dilutive shares excluded from the calculation above for the years ended September 30, 2017, 2016, and 2015.

**Use of Estimates:** The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, related revenues and expenses and disclosure about contingent assets and liabilities at the date of the financial statements. Significant estimates include the deferred tax asset valuation allowance, the valuation of our inventory, rebates related to revenue recognition, performance compensation accruals and the valuation of long-lived assets and goodwill. Actual results may differ materially from these estimates.

#### Recently Issued Accounting Pronouncements:

In May 2014, the FASB issued guidance creating Accounting Standards Codification ("ASC") Section 606, *Revenue from Contracts with Customers*. The new section will replace Section 605, "Revenue Recognition" and creates modifications to various other revenue accounting standards for specialized transactions and industries. The section is intended to conform revenue accounting principles with a concurrently issued International Financial Reporting Standards with previously differing treatment between United States practice and those of much of the rest of the world, as well as to enhance disclosures related to disaggregated revenue information. The updated guidance is effective for annual reporting periods beginning after December 15, 2017, and interim periods within that reporting period. Early application is permitted only as of annual reporting periods beginning after December 15, 2016, including interim periods within that reporting period. The Company is planning to complete an assessment of its revenue streams during the second and third quarters of fiscal 2018 to determine the impact that this standard will have on its business practices, financial condition, results of operations and disclosures.

In July 2015, the FASB issued ASU 2015-11, *Inventory (Topic 330) Related to Simplifying the Measurement of Inventory* which applies to all inventory except inventory that is measured using last-in, first-out ("LIFO") or the retail inventory method. Inventory measured using first-in, first-out ("FIFO") or average cost is covered by the new amendments. Inventory within the scope of the new guidance should be measured at the lower of cost and net realizable value. Net realizable value is the estimated selling prices in the ordinary course of business, less reasonably predictable costs of completion, disposal, and transportation. Subsequent measurement is unchanged for inventory measured using LIFO or the retail inventory method. The amendments will take effect for public business entities for fiscal years beginning after December 15, 2016, including interim periods within those fiscal years. The new guidance should be applied prospectively, and earlier application is permitted as of the beginning of an interim or annual reporting period. We do not expect adoption to have a material impact on our financial statements.

In February 2016, the FASB issued ASU 2016-02, *Leases*, which requires lessees to present right-of-use assets and lease liabilities on the balance sheet for all leases with terms longer than 12 months. The guidance is to be applied using a modified retrospective approach at the beginning of the earliest comparative period in the financial statements and is effective for fiscal years beginning after December 15, 2018, including interim periods within those fiscal years. Early adoption is permitted. The Company is evaluating the impact the adoption of this ASU will have on our financial statements.

In January 2017, the FASB issued ASU 2017-04 which offers amended guidance to simplify the accounting for goodwill impairment by removing Step 2 of the goodwill impairment test. A goodwill impairment will now be measured as the amount by which a reporting unit's carrying value exceeds its fair value, limited to the amount of goodwill allocated to that reporting unit. This guidance is to be applied on a prospective basis effective for the Company's interim and annual periods beginning after January 1, 2020, with early adoption permitted for any impairment tests performed after January 1, 2017. The Company is evaluating the impact the adoption of this ASU will have on our financial statements.

Note B - Commitments and Facilities	12 Months Ended																
Notes to Financial Statements	Sep. 30, 2017																
Leases of Lessee Disclosure [Text Block] <b>NOTE B – COMMITMENTS AND FACILITIES</b>																	
<p><b>Operating Leases:</b> The Company leases office and manufacturing facilities in Minnesota and Mexico for its ongoing operations, which expire at various dates through February 2024. The Company also leases various pieces of office equipment. Certain of these leases have escalating rent payment provisions. We recognize rent expense under such leases on a straight-line basis over the term of the lease. For the years ended September 30, 2017, 2016, and 2015, total rent expense was \$768,000, \$658,000 and \$630,000 respectively. Rent expense includes operating expenses, insurance, and related taxes.</p> <p>As of September 30, 2017, the future minimum lease payments required under operating lease agreements are as follows:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Year ending September 30</th> <th style="text-align: right;">Operating leases</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2018</td> <td style="text-align: right;">\$ 584,249</td> </tr> <tr> <td style="text-align: center;">2019</td> <td style="text-align: right;">593,586</td> </tr> <tr> <td style="text-align: center;">2020</td> <td style="text-align: right;">568,018</td> </tr> <tr> <td style="text-align: center;">2021</td> <td style="text-align: right;">402,123</td> </tr> <tr> <td style="text-align: center;">2022</td> <td style="text-align: right;">412,177</td> </tr> <tr> <td style="text-align: center;">Thereafter</td> <td style="text-align: right;">1,037,817</td> </tr> <tr> <td style="text-align: center;">Total minimum lease payments</td> <td style="text-align: right;"><u>\$ 3,597,970</u></td> </tr> </tbody> </table>		Year ending September 30	Operating leases	2018	\$ 584,249	2019	593,586	2020	568,018	2021	402,123	2022	412,177	Thereafter	1,037,817	Total minimum lease payments	<u>\$ 3,597,970</u>
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2022	412,177																
Thereafter	1,037,817																
Total minimum lease payments	<u>\$ 3,597,970</u>																
<p><b>Share Repurchase:</b> On November 13, 2014, the Company announced that its board of directors had approved a stock repurchase program under which it will purchase up to \$8 million of its outstanding shares of common stock. On April 25, 2017, the Board of Directors increased the repurchase authorization by \$4,000,000 to \$12,000,000 of common stock. The program does not obligate Clearfield to repurchase any particular amount of common stock during any period. The repurchase will be funded by cash on hand. The repurchase program is expected to continue indefinitely until the maximum dollar amount of shares has been repurchased or until the repurchase program is earlier modified, suspended or terminated by the board of directors. As of September 30, 2017, the Company may repurchase up to \$7,169,768 of its outstanding shares of common stock.</p>																	

Note C - Shareholders' Equity	12 Months Ended																																																
Notes to Financial Statements	Sep. 30, 2017																																																
Disclosure of Compensation Related Costs, Share-based Payments [Text Block] <b>NOTE C – SHAREHOLDERS' EQUITY</b>																																																	
<p>The Company is authorized to issue 50,000,000 shares of common stock at \$.01 par value and 5,000,000 undesignated shares. From the undesignated shares, 500,000 shares have been designated as Series B Junior Participating Preferred Shares and none of such shares have been issued or are outstanding. The Board of Directors may, by resolution, establish from the remaining undesignated shares different classes or series of shares and may fix the relative rights and preferences of shares in any class or series.</p> <p><b>Stock-Based Compensation:</b> The Company's stock-based compensation plans are administered by the Compensation Committee of the Board of Directors, which selects persons to receive awards and determines the number of shares subject to each award and the terms, conditions, performance measures and other provisions of the award.</p> <p>The Company currently has one equity compensation plan, the 2007 Stock Compensation Plan, from which it grants equity awards that are used as an incentive for directors, officers, and other employees. The Company's Stock Option Plan for Non-Employee Directors was terminated in February of 2010 and 67,500 authorized but unissued shares became unavailable for awards because of the termination. The 2007 Stock Compensation Plan has 1,103,657 shares available for issue as of September 30, 2017. As of September 30, 2017, \$5,208,269 of total unrecognized compensation expense related to non-vested awards is expected to be recognized over a period of approximately 7.1 years. The Company recorded related compensation expense for the years ended September 30, 2017, 2016, and 2015 of \$2,319,975, \$1,404,899, and \$1,074,727, respectively. For the year ended September 30, 2017, \$2,103,621 of this expense was included in selling, general and administrative expense and \$216,354 was included in cost of sales. For the year ended September 30, 2016, \$1,272,656 of this expense was included in selling, general and administrative expense and \$132,243 was included in cost of sales. For the year ended September 30, 2015, all of this expense was included in selling, general and administrative expense.</p> <p><b>Stock Options:</b> The Company uses the Black-Scholes option-pricing model to estimate fair value of stock-based awards. The Company did not grant stock options during the years ended September 30, 2017, 2016, and 2015.</p> <p>Options are generally granted at fair market values determined on the date of grant and vesting normally occurs over a three to five-year period. The maximum contractual term is normally six years. However, options granted to directors have a one year vesting period and a six year contractual term. Shares issued upon exercise of a stock option are issued form the Company's authorized but unissued shares. There were no options vested during the year ended September 30, 2017 and 2016, respectively. For the year ended September 30, 2017, there were 10,500 stock options that were exercised using a cashless method of exercise. For the year ended September 30, 2016, there were 152,484 stock options that were exercised using a cashless method of exercise. The intrinsic value of options exercised during the years ended September 30, 2017 and 2016 was \$237,172 and \$2,644,220, respectively. The intrinsic value of options exercisable as of September 30, 2017 is \$421,237.</p> <p>Option transactions under the 2007 Stock Compensation Plan during the years ended September 30, 2017 and 2016 are summarized as follows:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th style="text-align: center;">Number of shares</th> <th style="text-align: center;">Weighted average exercise price</th> <th style="text-align: center;">Weighted average fair value</th> </tr> </thead> <tbody> <tr> <td>Outstanding at September 30, 2015</td> <td style="text-align: center;">297,384</td> <td style="text-align: center;">\$ 5.29</td> <td></td> </tr> <tr> <td>Granted</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Cancelled or Forfeited</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Exercised</td> <td style="text-align: center;">(242,584)</td> <td style="text-align: center;">5.78</td> <td></td> </tr> <tr> <td>Outstanding at September 30, 2016</td> <td style="text-align: center;">54,800</td> <td style="text-align: center;">3.13</td> <td></td> </tr> <tr> <td>Granted</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Cancelled or Forfeited</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Exercised</td> <td style="text-align: center;">(15,850)</td> <td style="text-align: center;">3.97</td> <td></td> </tr> <tr> <td>Outstanding at September 30, 2017</td> <td style="text-align: center;"><u>38,950</u></td> <td style="text-align: center;"><u>\$ 2.79</u></td> <td></td> </tr> </tbody> </table> <p>The following table summarizes information concerning options exercisable under the 2007 Stock Compensation Plan:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Year ended</th> <th style="text-align: center;">Exercisable</th> <th style="text-align: center;">Weighted average remaining contractual life (years)</th> <th style="text-align: center;">Weighted average exercise price</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			Number of shares	Weighted average exercise price	Weighted average fair value	Outstanding at September 30, 2015	297,384	\$ 5.29		Granted	-	-	-	Cancelled or Forfeited	-	-	-	Exercised	(242,584)	5.78		Outstanding at September 30, 2016	54,800	3.13		Granted	-	-	-	Cancelled or Forfeited	-	-	-	Exercised	(15,850)	3.97		Outstanding at September 30, 2017	<u>38,950</u>	<u>\$ 2.79</u>		Year ended	Exercisable	Weighted average remaining contractual life (years)	Weighted average exercise price				
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September 30, 2017	38,950	2.73	\$	2.79
September 30, 2016	54,800	2.83	\$	3.13

The following table summarizes information concerning options currently outstanding at:

Year Ended	Number outstanding	Weighted average remaining contractual life (years)	Weighted average exercise price	Aggregate intrinsic value
September 30, 2017	38,950	2.73	\$ 2.79	\$ 421,237
September 30, 2016	54,800	2.83	\$ 3.13	\$ 858,771

**Restricted Stock:** The Company's 2007 Stock Compensation Plan permits our Compensation Committee to grant other stock-based awards. The Company awards restricted stock grants to employees that vest over one to ten years.

Restricted stock transactions during the years ended September 30, 2017 and 2016 are summarized as follows:

	Number of shares	Weighted average grant date fair value
Unvested shares at September 30, 2015	409,130	\$ 9.97
Granted	269,173	17.43
Vested	(103,826)	7.99
Forfeited	(10,907)	12.99
Unvested shares at September 30, 2016	563,570	14.26
Granted	3,795	16.45
Vested	(185,231)	12.30
Forfeited	(11,604)	14.79
Unvested shares at September 30, 2017	370,530	\$ 15.24

The Company repurchased a total of 75,445 shares of our common stock at an average price of \$12.63 in connection with payment of taxes upon the vesting of restricted stock previously issued to employees for the year ended September 30, 2017. The Company repurchased a total of 19,072 shares of our common stock at an average price of \$17.97 in connection with payment of taxes upon the vesting of restricted stock previously issued to employees for the year ended September 30, 2016.

**Employee Stock Purchase Plan:** The Clearfield, Inc. 2010 Employee Stock Purchase Plan ("ESPP") allows participating employees to purchase shares of the Company's common stock at a discount through payroll deductions. The ESPP is available to all employees subject to certain eligibility requirements. Terms of the ESPP provide that participating employees may purchase the Company's common stock on a voluntary after tax basis. Employees may purchase the Company's common stock at a price that is no less than the lower of 85% of the fair market value of one share of common stock at the beginning or end of each stock purchase period or phase. The ESPP is carried out in six-month phases, with phases beginning on July 1 and January 1 of each calendar year. For the phases that ended on December 31, 2016 and June 30, 2017, employees purchased 11,144 and 14,723 shares, respectively, at a price of \$15.21 and \$11.22 per share, respectively. For the phases that ended on December 31, 2015 and June 30, 2016, employees purchased 10,352 and 11,966 shares, respectively, at a price of \$11.40 per share. As of September 30, 2017, the Company has withheld approximately \$73,542 from employees participating in the phase that began on July 1, 2017. After the employee purchase on June 30, 2017, 117,255 shares of common stock were available for future purchase under the ESPP.

<b>Note D - Income Taxes</b>	<b>12 Months Ended</b>
	<b>Sep. 30, 2017</b>
<b>Notes to Financial Statements</b>	
Income Tax Disclosure [Text Block]	<b>NOTE D – INCOME TAXES</b>

In March 2016, the Financial Accounting Standards Board ("FASB") issued ASU No. 2016-09, *Improvements to Employee Share-Based Payment Accounting*. The standard is required to be adopted by all companies in their first fiscal year beginning after December 15, 2016 but allows companies to early adopt prior to this date. The standard is intended to simplify various aspects of the accounting and presentation of share-based payments. During the quarter ended September 30, 2016, the Company elected to early adopt this standard as of October 1, 2015. Adoption of this standard had the following impact on the Company's financial statements:

**Statements of earnings** – The new accounting standard requires that the tax effects of stock-based compensation be recognized in the income tax provision of the Company's Statements of Earnings. Previously, these amounts were recognized in additional paid-in capital on the Company's Balance Sheets. The new standard requires these amounts to be recasted within these quarters due to the prospective adoption of this standard in the fourth quarter of fiscal 2016. Accordingly, tax benefits related to stock-based compensation awards of \$104,134, \$54,313, and \$79,640 for the quarters ended December 31, 2015, March 31, 2016, and June 30, 2016, respectively, were recognized as reductions of income tax expense in the statements of earnings. These tax benefits reduced our effective income tax rate 5.2%, 2.5%, and 2.3% for the quarters ended December 31, 2015, March 31, 2016, and June 30, 2016, respectively. The changes were applied on a prospective basis and resulted in an increase in basic and diluted earnings per share of \$0.01 and \$0.01 for the quarters ended December 31, 2015 and June 30, 2016, respectively. The change had no effect on basic and diluted earnings per share for the quarter ended March 31, 2016. The net tax benefit recognized during the quarter ended September 30, 2016 was \$437,096, which reduced our effective tax rate 13.7% to 16.3% for the quarter and resulted in an increase in basic and diluted earnings per share of \$0.03 and \$0.04, respectively. The net tax benefit recognized during the year ended September 30, 2016 was \$675,183, which reduced our effective tax rate 6.2% to 26.4% for the year and resulted in an increase in basic and diluted earnings per share of \$0.05.

**Statements of cash flows** – The standard requires that excess tax benefits from stock-based employee awards be reported as operating activities in the Company's Statements of Cash Flows. Previously, these cash flows were included as hypothetical inflows/outflows in both operating and financing activities. The Company elected to apply this change on a prospective basis, resulting in an increase in net cash provided by operating activities and a decrease in net cash used by financing activities of \$348,000, \$741,000, and \$1,786,000 for the three months ended December 31, 2015, the six months ended March 31, 2016, and the nine months ended June 30, 2016, respectively, compared to the previously filed Form 10-Qs.

**Statements of shareholders' equity** – The standard requires that as of the beginning of the annual period of adoption, previously unrecognized excess tax benefits be recognized on a modified retrospective basis and record a deferred tax asset for the balance with an offsetting adjustment to retained earnings. The Company recognized additional deferred tax assets and adjusted retained earnings in the amount of \$1,864,980 on October 1, 2015.

In recording stock-based compensation expense, the new standard allows companies to make a policy election as to whether they will include an estimate of awards expected to be forfeited or whether they will account for forfeitures as they occur. We have elected to include an estimate of forfeitures in the computation of our stock-based compensation expense. As this treatment is consistent with the Company's previous practice, this election had no impact on our financial statements.

The new standard requires that employee taxes paid when an employer withholds shares for tax-withholding purposes be reported as financing activities in the consolidated statements of cash flows. As this treatment is consistent with the Company's previous practice, this election had no impact on our financial statements.

Realization of net operating loss carry-forward and other deferred tax temporary differences are contingent upon future taxable earnings. The Company's deferred tax assets were reviewed for expected utilization by assessing the available positive and

negative factors surrounding its recoverability.

As of September 30, 2016, the Company's remaining valuation allowance of approximately \$322,000 related to state net operating loss carry forwards. During the fourth quarter of 2017, the Company reversed approximately \$163,000 of its remaining valuation allowance. Approximately \$131,000 of the reversal related to the expiration and utilization of state net operating losses in 2017. The remaining decrease of \$32,000 is related to higher future year expected NOL utilization based on updated profitability estimates. The remaining valuation allowance balance as of September 30, 2017 of \$159,000 relates entirely to state net operating loss carry forwards we do not expect to utilize. The Company will continue to assess the assumptions used to determine the amount of our valuation allowance and may adjust the valuation allowance in future periods based on changes in assumptions of estimated future income and other factors. If the valuation allowance is reduced, we would record an income tax benefit in the period the valuation allowance is reduced. If the valuation allowance is increased, we would record additional income tax expense.

The valuation allowance activity for the years ended September 30, 2017, 2016, and 2015 is as follows:

Year Ended	Balance at Beginning of Year	Income Tax Benefit	Reversal for State NOL Expiration and Utilization	Balance at End of Year
September 30, 2017	\$ 322,404	\$ (32,154)	\$ (131,096)	\$ 159,154
September 30, 2016	658,808	(78,044)	(258,360)	322,404
September 30, 2015	847,826	(53,836)	(135,182)	658,808

Significant components of deferred income tax assets and liabilities are as follows at:

	September 30, 2017	September 30, 2016
Long-term deferred income tax assets (liabilities):		
Intangibles	\$ (90,085)	\$ (67,450)
Property and equipment depreciation	(948,653)	(815,374)
Net operating loss carry forwards and credits	551,125	702,113
Stock-based compensation	209,645	221,905
Inventories	503,632	388,292
Prepaid expenses	(48,847)	(44,511)
Accrued expenses and reserves	404,649	312,227
Goodwill	(866,388)	(786,577)
Gross long-term deferred tax liability	(284,922)	(89,375)
Valuation allowance	(159,154)	(322,404)
Net long-term deferred tax liability	\$ (444,076)	\$ (411,779)

As of September 30, 2017 and 2016, the current income tax receivable was approximately \$409,000 and \$643,000, respectively. Current income tax receivable amounts are included in Other Current Assets in the Company's balance sheets.

During the quarter ended December 31, 2015, the Company early adopted ASU 2015-17 to present balance sheet classification of deferred income taxes as noncurrent. This adoption was applied prospectively and therefore, prior periods were not retrospectively adjusted.

As of September 30, 2017, the Company had no U.S. federal net operating loss ("NOL") carry-forwards and approximately \$6,437,000 state NOLs. The U.S. federal NOL carry forward amounts were fully utilized in fiscal year 2016. The state NOL carry forward amounts expire in fiscal years 2018 through 2022 if not utilized. In addition, as of September 30, 2017, the Company has Minnesota research and development and alternative minimum tax credits of \$159,000 and \$46,000, respectively. The Company has not recorded a valuation allowance on these deferred tax assets as the Company believes it is more likely than not they will be utilized before they begin to expire in fiscal year 2030.

The Company completed an Internal Revenue Code Section 382 analysis of the loss carry forwards in 2009 and determined then that all of the Company's loss carry forwards are utilizable and not restricted under Section 382. The Company has not updated its Section 382 analysis subsequent to 2009 and does not believe there have been any events subsequent to 2009 that would impact the analysis.

Under ASU No. 2016-09, an entity recognizes all excess tax benefits and tax deficiencies relating to stock-based compensation as income tax expense or benefit in the statement of earnings. This change eliminates the notion of the "APIC" pool and related prior year disclosures for excess tax deductions not reflected in the Company's deferred tax asset presentation.

The following is a reconciliation of the federal statutory income tax rate to the effective tax rate as a percent of pre-tax income for the following years ended:

	September 30, 2017	September 30, 2016	September 30, 2015
Federal statutory rate	34%	34%	34%
State income taxes	1%	1%	1%
Permanent differences	(1%)	-	1%
Change in valuation allowance	(4%)	(3%)	(3%)
Expiration and utilization of state NOL's	3%	2%	2%
Research and development credits	(1%)	(1%)	-
Excess tax benefits from stock-based compensation	(1%)	(7%)	-
Tax rate	31%	26%	35%

Components of the income tax expense are as follows for the years ended:

	September 30, 2017	September 30, 2016	September 30, 2015
Current:			
Federal	\$ 1,627,125	\$ 428,638	\$ 67,373
State	78,552	106,623	65,820
Current income tax expense	1,705,677	535,261	133,193
Deferred:			
Federal	8,680	2,434,294	2,377,590
State	23,617	(93,523)	(35,545)
Deferred income tax expense	32,297	2,340,771	2,342,045
Income tax expense	\$ 1,737,974	\$ 2,876,032	\$ 2,475,238

The Company is required to recognize the financial statement benefit of a tax position only after determining that the relevant tax authority would more likely than not sustain the position following an audit. For tax positions meeting the more likely than not threshold, the amount recognized in the financial statements is the largest benefit that has a greater than 50 percent likelihood of being realized upon ultimate settlement with the relevant tax authority. The Company applies the interpretation to all tax positions for which the statute of limitations remained open. The Company had no liability for unrecognized tax benefits and did not recognize any interest or penalties during the years ended September 30, 2017, 2016, or 2015.



The Company is subject to income taxes in the U.S. federal jurisdiction, and various state jurisdictions. Tax regulations within each jurisdiction are subject to the interpretation of the related tax laws and regulations and require significant judgment to apply. With few exceptions, the Company is no longer subject to U.S. federal, state and local, income tax examinations by tax authorities for fiscal years ending prior to 2002. We are generally subject to U.S. federal and state tax examinations for all tax years since 2001 due to our net operating loss carryforwards and the utilization of the carryforwards in years still open under statute. The Company changed its fiscal year end in 2007 from March 31 to September 30.

Note E - Concentrations	12 Months Ended																						
	Sep. 30, 2017																						
<b>Notes to Financial Statements</b>	<b>NOTE E – CONCENTRATIONS</b>																						
Concentration Risk Disclosure [Text Block]	<p><b>Suppliers:</b> The Company purchases critical components for our products, including injection molded parts and connectors from third parties, some of whom are single- or limited-source suppliers. If any of our suppliers are unable to ship critical components, we may be unable to manufacture and ship products to our distributors or customers. If the price of these components increases for any reason, or if these suppliers are unable or unwilling to deliver, we may have to find another source, which could result in interruptions, increased costs, delays, loss of sales and quality control problems.</p> <p><b>Customers:</b> The following table summarizes customers comprising 10% or more of net sales for the years ended September 30, 2017, 2016, and 2015:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">Year Ended September 30,</th> </tr> <tr> <th>2017</th> <th>2016</th> <th>2015</th> <th></th> </tr> </thead> <tbody> <tr> <td>Customer A</td> <td>20%</td> <td>21%</td> <td>25%</td> <td></td> </tr> <tr> <td>Customer B</td> <td>15%</td> <td>16%</td> <td>*</td> <td></td> </tr> </tbody> </table> <p>* Less than 10%</p> <p>As of September 30, 2017, Customer B accounted for 19% of accounts receivable. As of September 30, 2016, Customers A and B accounted for 18% and 12% of accounts receivable, respectively. Customers A and B are both distributors.</p> <p><b>Long-lived assets:</b> As of September 30, 2017 and 2016, the Company had property, plant and equipment with a net book value of \$581,396 and \$376,004, respectively, located in Mexico.</p>					Year Ended September 30,				2017	2016	2015		Customer A	20%	21%	25%		Customer B	15%	16%	*	
	Year Ended September 30,																						
	2017	2016	2015																				
Customer A	20%	21%	25%																				
Customer B	15%	16%	*																				

Note F - Employee Benefit Plan	12 Months Ended			
	Sep. 30, 2017			
<b>Notes to Financial Statements</b>	<b>NOTE F – EMPLOYEE BENEFIT PLAN</b>			
Pension and Other Postretirement Benefits Disclosure [Text Block]	<p>The Company maintains a contributory 401(k) profit sharing benefit plan, whereby eligible employees may contribute a portion of their earnings, not to exceed annual amounts allowed under the Internal Revenue Code. For the year ended September 30, 2014 and through December 31, 2014, the Company matched 100% of the first 3% and 50% of the next 2% of the participant's eligible compensation that was contributed by the participant. Effective January 1, 2015, the Company matched 100% of the first 3% and 50% of the next 3% of the participant's eligible compensation that was contributed by the participant. The Company's contributions under this plan were \$652,615, \$520,530 and \$460,868 for the years ended September 30, 2017, 2016, and 2015, respectively.</p>			

Note A - Summary of Significant Accounting Policies (Tables)	12 Months Ended				
	Sep. 30, 2017				
<b>Notes Tables</b>					
Investments Classified by Contractual Maturity Date [Table Text Block]		September 30, 2017	September 30, 2016		
Less than one year		\$ 5,937,150	\$ 5,527,075		
1-5 years		19,816,000	10,703,000		
Total		\$ 25,753,150	\$ 16,230,075		
Allowance for Credit Losses on Financing Receivables [Table Text Block]	Year Ended	Balance at Beginning of Year	Additions Charged to Costs and Expenses	Less Write-offs	Balance at End of Year
September 30, 2017		\$ 93,473	\$ -	\$ (14,388)	\$ 79,085
September 30, 2016		79,473	25,000	(11,000)	93,473
September 30, 2015		97,950	-	(18,477)	79,473
Schedule of Inventory, Current [Table Text Block]		September 30, 2017	September 30, 2016		
Raw materials		\$ 5,991,863	\$ 5,702,762		
Work-in-process		724,248	471,305		
Finished goods		1,737,456	2,199,088		
Inventories		\$ 8,453,567	\$ 8,373,155		
Property, Plant and Equipment [Table Text Block]		September 30, 2017	September 30, 2016		
Manufacturing Equipment		\$ 5,370,962	\$ 4,585,422		
Office Equipment		3,600,006	3,513,002		
Leasehold Improvements		2,404,331	2,422,669		
Vehicles		193,702	193,702		
Property, plant and equipment, gross		11,569,001	10,714,795		
Less accumulated depreciation		6,134,829	4,933,981		
Property, plant and equipment, net		\$ 5,434,172	\$ 5,780,814		
Schedule of Earnings Per Share, Basic and Diluted [Table Text Block]	Year ended September 30,	2017	2016	2015	
Net income		\$ 3,847,839	\$ 8,013,062	\$ 4,682,008	
Weighted average common shares		13,532,375	13,372,579	13,216,010	
Dilutive potential common shares		128,431	290,770	371,522	
Weighted average dilutive common shares outstanding		13,660,806	13,663,349	13,587,532	
Earnings per share:					
Basic		\$ 0.28	\$ 0.60	\$ 0.35	
Diluted		\$ 0.28	\$ 0.59	\$ 0.34	
<b>Useful Lives [Member]</b>					
<b>Notes Tables</b>					
Property, Plant and Equipment [Table Text Block]		Years			
Equipment		3	-	7	
Leasehold improvements		7	-	10 or life of lease	
Vehicles		3			

Note B - Commitments and Facilities (Tables)	12 Months Ended		
	Sep. 30, 2017		
<b>Notes Tables</b>			
Schedule of Future Minimum Lease Payments for Capital Leases [Table Text Block]	Year ending September 30		Operating leases
	2018		\$ 584,249
	2019		593,586
	2020		568,018
	2021		402,123
	2022		412,177
	Thereafter		1,037,817
Total minimum lease payments		\$ 3,597,970	

Note C - Shareholders' Equity (Tables)	12 Months Ended				
	Sep. 30, 2017				
<b>Notes Tables</b>					
Share-based Compensation, Stock Options, Activity [Table Text Block]		Number of shares	Weighted average exercise price	Weighted average fair value	
	Outstanding at September 30, 2015	297,384	\$ 5.29		
	Granted	-	-	-	
	Cancelled or Forfeited	-	-	-	
	Exercised	(242,584)	5.78		
	Outstanding at September 30, 2016	54,800	3.13		
	Granted	-	-	-	
	Cancelled or Forfeited	-	-	-	
	Exercised	(15,850)	3.97		
	Outstanding at September 30, 2017	38,950	\$ 2.79		
Share-based Compensation Arrangement by Share-based Payment Award, Options, Vested and Expected to Vest, Exercisable [Table Text Block]	Year ended	Exercisable	Weighted average remaining contractual life (years)	Weighted average exercise price	
	September 30, 2017	38,950	2.73	\$ 2.79	
	September 30, 2016	54,800	2.83	\$ 3.13	
Share-based Compensation Arrangements by Share-based Payment Award, Options, Vested and Expected to Vest, Outstanding [Table Text Block]	Year Ended	Number outstanding	Weighted average remaining contractual life (years)	Weighted average exercise price	Aggregate intrinsic value
	September 30, 2017	38,950	2.73	\$ 2.79	\$ 421,237
	September 30, 2016	54,800	2.83	\$ 3.13	\$ 858,771
Schedule of Share-based Compensation, Restricted Stock and Restricted Stock Units Activity [Table Text Block]		Number of shares	Weighted average grant date fair value		
	Unvested shares at September 30, 2015	409,130	\$ 9.97		
	Granted	269,173	17.43		
	Vested	(103,826)	7.99		
	Forfeited	(10,907)	12.99		
	Unvested shares at September 30, 2016	563,570	14.26		
	Granted	3,795	16.45		
	Vested	(185,231)	12.30		
	Forfeited	(11,604)	14.79		
	Unvested shares at September 30, 2017	370,530	\$ 15.24		

Note D - Income Taxes (Tables)	12 Months Ended				
	Sep. 30, 2017				
<b>Notes Tables</b>					
Summary of Valuation Allowance [Table Text Block]	Year Ended	Balance at Beginning of Year	Income Tax Benefit	Reversal for State NOL Expiration and Utilization	Balance at End of Year
	September 30, 2017	\$ 322,404	\$ (32,154)	\$ (131,096)	\$ 159,154
	September 30, 2016	658,808	(78,044)	(258,360)	322,404
	September 30, 2015	847,826	(53,836)	(135,182)	658,808
Schedule of Deferred Tax Assets and Liabilities [Table Text Block]		September 30, 2017	September 30, 2016	September 30, 2015	
	Long-term deferred income tax assets (liabilities):				
	Intangibles	\$ (90,085)	\$ (67,450)		
	Property and equipment depreciation	(948,653)	(815,374)		
	Net operating loss carry forwards and credits	551,125	702,113		
	Stock-based compensation	209,645	221,905		
	Inventories	503,632	388,292		
	Prepaid expenses	(48,847)	(44,511)		
	Accrued expenses and reserves	404,649	312,227		
	Goodwill	(866,388)	(786,577)		
	Gross long-term deferred tax liability	(284,922)	(89,375)		
	Valuation allowance	(159,154)	(322,404)		
Net long-term deferred tax liability	\$ (444,076)	\$ (411,779)			
Schedule of Effective Income Tax Rate Reconciliation [Table Text Block]		September 30, 2017	September 30, 2016	September 30, 2015	
	Federal statutory rate	34%	34%	34%	
	State income taxes	1%	1%	1%	
	Permanent differences	(1%)	-	1%	
	Change in valuation allowance	(4%)	(3%)	(3%)	
	Expiration and utilization of state NOL's	3%	2%	2%	
	Research and development credits	(1%)	(1%)	-	
	Excess tax benefits from stock-based compensation	(1%)	(7%)	-	
Tax rate	31%	26%	35%		
Schedule of Components of Income Tax Expense (Benefit) [Table Text Block]		September 30, 2017	September 30, 2016	September 30, 2015	
	Current:				
	Federal	\$ 1,627,125	\$ 428,638	\$ 67,373	
	State	78,552	106,623	65,820	
	Current income tax expense	1,705,677	535,261	133,193	
Deferred:					
Federal	8,680	2,434,294	2,377,590		

State	23,617	(93,523)	(35,545)
Deferred income tax expense	32,297	2,340,771	2,342,045
Income tax expense	\$ 1,737,974	\$ 2,876,032	\$ 2,475,238

Note E - Concentrations (Tables)	12 Months Ended		
	Sep. 30, 2017		
Notes Tables			
Schedules of Concentration of Risk, by Risk Factor [Table Text Block]	Year Ended September 30,		
	2017	2016	2015
Customer A	20%	21%	25%
Customer B	15%	16%	*

Note A - Summary of Significant Accounting Policies (Details Textual) (USD \$)	12 Months Ended		
	Sep. 30, 2017	Sep. 30, 2016	Sep. 30, 2015
Share data in Thousands, unless otherwise specified			
Depreciation	\$ 1,614,272	\$ 1,445,910	\$ 1,214,512
Number of Reportable Segments		1	
Goodwill, Impairment Loss	0	0	0
Number of Patents Granted	11		
Impairment of Long-Lived Assets Held-for-use	643,604	0	0
Unrecognized Tax Benefits	0	0	0
Research and Development Expense	865,568	838,122	750,107
Advertising Expense	\$ 378,217	\$ 350,399	\$ 284,093
Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount	0	0	0
<b>Maximum [Member]   Patents [Member]</b>			
Finite-Lived Intangible Asset, Useful Life	20 years		

Note A - Summary of Significant Accounting Policies - Maturity Date of CDs (Details) (USD \$)	Sep. 30, 2017	Sep. 30, 2016
Less than one year	\$ 5,937,150	\$ 5,527,075
1-5 years	19,816,000	10,703,000
Total	\$ 25,753,150	\$ 16,230,075

Note A - Summary of Significant Accounting Policies - Allowance for Doubtful Accounts (Details) (USD \$)	12 Months Ended		
	Sep. 30, 2017	Sep. 30, 2016	Sep. 30, 2015
Balance at Beginning of Year	\$ 93,473	\$ 79,473	\$ 97,950
Additions Charged to Costs and Expenses		25,000	
Less Write-offs	(14,388)	(11,000)	(18,477)
Balance at End of Year	\$ 79,085	\$ 93,473	\$ 79,473

Note A - Summary of Significant Accounting Policies - Components of Inventory (Details) (USD \$)	Sep. 30, 2017	Sep. 30, 2016
Raw materials	\$ 5,991,863	\$ 5,702,762
Work-in-process	724,248	471,305
Finished goods	1,737,456	2,199,088
Inventories	\$ 8,453,567	\$ 8,373,155

Note A - Summary of Significant Accounting Policies - Estimated Useful Lives of Assets (Details)	12 Months Ended	
	Sep. 30, 2017	
<b>Equipment [Member]   Minimum [Member]</b>		
Property, plant and equipment useful life (Year)	3 years	
<b>Equipment [Member]   Maximum [Member]</b>		
Property, plant and equipment useful life (Year)	7 years	
<b>Leasehold Improvements [Member]   Minimum [Member]</b>		
Property, plant and equipment useful life (Year)	7 years	
<b>Leasehold Improvements [Member]   Maximum [Member]</b>		
Property, plant and equipment useful life (Year)	10 years	
<b>Vehicles [Member]</b>		
Property, plant and equipment useful life (Year)	3 years	

Note A - Summary of Significant Accounting Policies - Property, Plant and Equipment (Details) (USD \$)	Sep. 30, 2017	Sep. 30, 2016
Fixed Assets	\$ 11,569,001	\$ 10,714,795
Less accumulated depreciation	6,134,829	4,933,981
Property, plant and equipment, net	5,434,172	5,780,814
<b>Machinery and Equipment [Member]</b>		
Fixed Assets	5,370,962	4,585,422
<b>Office Equipment [Member]</b>		
Fixed Assets	3,600,006	3,513,002

<b>Leasehold Improvements [Member]</b>		
Fixed Assets	2,404,331	2,422,669
<b>Vehicles [Member]</b>		
Fixed Assets	\$ 193,702	\$ 193,702

<b>Note A - Summary of Significant Accounting Policies - Weighted Average Common Shares Outstanding (Details) (USD \$)</b>	<b>12 Months Ended</b>		
	<b>Sep. 30, 2017</b>	<b>Sep. 30, 2016</b>	<b>Sep. 30, 2015</b>
Net income	\$ 3,847,839	\$ 8,013,062	\$ 4,682,008
Weighted average common shares (in shares)	13,532,375	13,372,579	13,216,010
Dilutive potential common shares	\$ 128,431	\$ 290,770	\$ 371,522
Weighted average dilutive common shares outstanding (in shares)	13,660,806	13,663,349	13,587,532
<b>Earnings per share:</b>			
Basic (in dollars per share)	\$ 0.28	\$ 0.60	\$ 0.35
Diluted (in dollars per share)	\$ 0.28	\$ 0.59	\$ 0.34

<b>Note B - Commitments and Facilities (Details Textual) (USD \$)</b>	<b>0 Months Ended</b>	<b>12 Months Ended</b>				
	<b>Apr. 25, 2017</b>	<b>Sep. 30, 2017</b>	<b>Sep. 30, 2016</b>	<b>Sep. 30, 2015</b>	<b>Apr. 25, 2017</b>	<b>Nov. 13, 2014</b>
Operating Leases, Rent Expense		\$ 768,000	\$ 658,000	\$ 630,000		
Stock Repurchase Program, Authorized Amount					12,000,000	8,000,000
Stock Repurchase Program, Increase in Authorized Amount	4,000,000					
Stock Repurchase Program, Remaining Authorized Repurchase Amount		\$ 7,169,768				

<b>Note B - Commitments and Facilities - Future Minimum Lease Payments (Details) (USD \$)</b>	<b>Sep. 30, 2017</b>
2018	\$ 584,249
2019	593,586
2020	568,018
2021	402,123
2022	412,177
Thereafter	1,037,817
<b>Total minimum lease payments</b>	<b>\$ 3,597,970</b>

<b>Note C - Shareholders' Equity (Details Textual) (USD \$)</b>	<b>12 Months Ended</b>			<b>3 Months Ended</b>				
	<b>Sep. 30, 2017</b>	<b>Sep. 30, 2016</b>	<b>Sep. 30, 2015</b>	<b>Jun. 30, 2017</b>	<b>Dec. 31, 2016</b>	<b>Jun. 30, 2016</b>	<b>Dec. 31, 2015</b>	<b>Feb. 28, 2010</b>
Common Stock, Shares Authorized	50,000,000	50,000,000						
Common Stock, Par or Stated Value Per Share	\$ 0.01	\$ 0.01						
Preferred Stock, Shares Authorized	5,000,000							
Temporary Equity, Shares Subscribed but Unissued								67,500
Share-based Compensation Arrangement by Share-based Payment Award, Number of Shares Available for Grant	1,103,657							
Employee Service Share-based Compensation, Nonvested Awards, Compensation Cost Not yet Recognized	\$ 5,208,269							
Employee Service Share-based Compensation, Nonvested Awards, Compensation Cost Not yet Recognized, Period for Recognition	7 years 36 days							
Allocated Share-based Compensation Expense	2,319,975	1,404,899	1,074,727					
Share-based Compensation Arrangement by Share-based Payment Award, Options, Grants in Period, Gross	0	0	0					
Share-based Compensation Arrangement by Share-based Payment Award, Options, Exercisable, Weighted Average Remaining Contractual Term	2 years 266 days	2 years 302 days						
Share-based Compensation Arrangement by Share-based Payment Award, Options, Vested and Expected to Vest, Exercisable, Number	0	0						
Share-based Compensation Arrangement by Share-based Payment Award, Options, Exercises in Period	15,850	242,584						
Share-based Compensation Arrangement by Share-based Payment Award, Options, Exercises in Period, Intrinsic Value	237,172	2,644,220						
Share-based Compensation Arrangement by Share-based Payment Award, Options, Exercisable, Intrinsic Value	421,237							
Stock Repurchased During Period, Shares	75,445	19,072						
Treasury Stock Acquired, Average Cost Per Share	\$ 12.63	\$ 17.97						
Payments Related to Tax Withholding for Share-based Compensation	952,832	437,537	639,307					
<b>Director [Member]</b>								
Share-based Compensation Arrangement by Share-based Payment Award, Options, Exercisable, Weighted Average Remaining Contractual Term	6 years							

<b>Employee Stock Option [Member]   Director [Member]</b>									
Share-based Compensation Arrangement by Share-based Payment Award, Award Vesting Period	1 year								
<b>Employee Stock Option [Member]   Minimum [Member]</b>									
Share-based Compensation Arrangement by Share-based Payment Award, Award Vesting Period	3 years								
<b>Employee Stock Option [Member]   Maximum [Member]</b>									
Share-based Compensation Arrangement by Share-based Payment Award, Award Vesting Period	5 years								
<b>Cashless Method Stock Option Exercised [Member]</b>									
Share-based Compensation Arrangement by Share-based Payment Award, Options, Exercises in Period	10,500	152,484							
<b>Employee Stock Purchase Plan [Member]</b>									
Share-based Compensation Arrangement by Share-based Payment Award, Number of Shares Available for Grant	117,255								
Share-based Compensation Arrangement by Share-based Payment Award, Purchase Price					\$ 11.22	\$ 15.21	\$ 11.40	\$ 11.40	
Share-based Compensation Arrangement by Share-based Payment Award, Market Price Percentage, Offering Date		85.00%							
Stock Issued During Period, Shares, Employee Stock Purchase Plans					14,723	11,144	11,966	10,352	
Payments Related to Tax Withholding for Share-based Compensation	73,542								
<b>Stock Compensation Plan 2007 [Member]   Restricted Stock [Member]   Minimum [Member]   Employees [Member]</b>									
Share-based Compensation Arrangement by Share-based Payment Award, Award Vesting Period	1 year								
<b>Stock Compensation Plan 2007 [Member]   Restricted Stock [Member]   Maximum [Member]   Employees [Member]</b>									
Share-based Compensation Arrangement by Share-based Payment Award, Award Vesting Period	10 years								
<b>Selling, General and Administrative Expenses [Member]</b>									
Allocated Share-based Compensation Expense	2,103,621	1,272,656							
<b>Cost of Sales [Member]</b>									
Allocated Share-based Compensation Expense	\$ 216,354	\$ 132,243							
<b>Series B Preferred Stock [Member]</b>									
Preferred Stock, Shares Authorized	500,000	500,000							
Preferred Stock, Shares Issued	0	0							
Preferred Stock, Shares Outstanding	0	0							

Note C - Shareholders' Equity - Option Transaction Summary (Details) (USD \$)	12 Months Ended	
	Sep. 30, 2017	Sep. 30, 2016
Options, outstanding (in shares)	54,800	297,384
Weighted-average exercise price, outstanding (in dollars per share)	\$ 3.13	\$ 5.29
Cancelled or Forfeited (in shares)		
Weighted-average exercise price, Cancelled or Forfeited (in dollars per share)		
Exercised (in shares)	(15,850)	(242,584)
Weighted-average exercise price, Exercised (in dollars per share)	\$ 3.97	\$ 5.78
Exercised (in shares)	(15,850)	(242,584)
Weighted-average exercise price, Exercised (in dollars per share)	\$ 3.97	\$ 5.78
Options, outstanding (in shares)	38,950	54,800
Weighted-average exercise price, outstanding (in dollars per share)	\$ 2.79	\$ 3.13

Note C - Shareholders' Equity - Options Exercisable (Details) (USD \$)	12 Months Ended	
	Sep. 30, 2017	Sep. 30, 2016
Exercisable (in shares)	38,950	54,800
Weighted average remaining contractual life (Year)	2 years 266 days	2 years 302 days
Weighted average exercise price (in dollars per share)	\$ 2.79	\$ 3.13

Note C - Shareholders' Equity - Options Currently Outstanding (Details) (USD \$)	12 Months Ended		
	Sep. 30, 2017	Sep. 30, 2016	Sep. 30, 2015
Number outstanding (in shares)	38,950	54,800	297,384
Weighted average remaining contractual life (Year)	2 years 266 days	2 years 302 days	



Weighted average exercise price (in dollars per share)	\$ 2.79	\$ 3.13	\$ 5.29
Aggregate intrinsic value	\$ 421,237	\$ 858,771	

Note C - Shareholders' Equity - Restricted Stock Transactions (Details) (Restricted Stock [Member], USD \$)	12 Months Ended	
	Sep. 30, 2017	Sep. 30, 2016
<b>Restricted Stock [Member]</b>		
Balance, unvested shares (in shares)	563,570	409,130
Balance, weighted-average grant date fair value (in dollars per share)	\$ 14.26	\$ 9.97
Granted (in shares)	3,795	269,173
Granted (in dollars per share)	\$ 16.45	\$ 17.43
Vested (in shares)	(185,231)	(103,826)
Vested (in dollars per share)	\$ 12.30	\$ 7.99
Forfeited (in shares)	(11,604)	(10,907)
Forfeited (in dollars per share)	\$ 14.79	\$ 12.99
Balance, unvested shares (in shares)	370,530	563,570
Balance, weighted-average grant date fair value (in dollars per share)	\$ 15.24	\$ 14.26

Note D - Income Taxes (Details Textual) (USD \$)	3 Months Ended	12 Months Ended			3 Months Ended
	Sep. 30, 2017	Sep. 30, 2017	Sep. 30, 2016	Sep. 30, 2015	Sep. 30, 2016
Effective Income Tax Rate Reconciliation, Percent		31.00%	26.00%	35.00%	
Valuation Allowance, Deferred Tax Asset, Increase (Decrease), Amount	\$ (163,000)				
Income Taxes Receivable, Current	409,000	409,000	643,000		643,000
Unrecognized Tax Benefits	0	0	0	0	0
Unrecognized Tax Benefits, Income Tax Penalties and Interest Expense		0	0	0	
<b>State and Local Jurisdiction [Member]</b>					
Operating Loss Carryforwards, Valuation Allowance	159,000	159,000	322,000		322,000
Operating Loss Carryforwards	6,437,000	6,437,000			
<b>State and Local Jurisdiction [Member]   Research Tax Credit Carryforward [Member]</b>					
Tax Credit Carryforward, Amount	159,000	159,000			
<b>State and Local Jurisdiction [Member]   Alternative Minimum Tax [Member]</b>					
Tax Credit Carryforward, Amount	46,000	46,000			
<b>State and Local Jurisdiction [Member]   Valuation Allowance, Operating Loss Carryforwards, Expired and Utilized [Member]</b>					
Valuation Allowance, Deferred Tax Asset, Increase (Decrease), Amount	(131,000)				
<b>State and Local Jurisdiction [Member]   Valuation Allowance, Operating Loss Carryforwards, Higher Expected NOL Utilization [Member]</b>					
Valuation Allowance, Deferred Tax Asset, Increase (Decrease), Amount	(32,000)				
<b>Adjustments for New Accounting Principle, Early Adoption [Member]   Accounting Standards Update 2016-09 [Member]</b>					
Employee Service Share-based Compensation, Tax Benefit from Compensation Expense			675,183		437,096
Effective Income Tax Rate Reconciliation, Percent			26.40%		16.30%
Increase (Decrease) in Earnings Per Share, Basic and Diluted			0.05		
Increase (Decrease) in Effective Income Tax Rate Reconciliation, Percent			6.20%		13.70%
Increase (Decrease) in Earnings Per Share, Basic					0.03
Increase (Decrease) in Earnings Per Share, Diluted					0.04
<b>Adjustments for New Accounting Principle, Early Adoption [Member]   December 31, 2015 [Member]   Accounting Standards Update 2016-09 [Member]</b>					
Employee Service Share-based Compensation, Tax Benefit from Compensation Expense					104,134
Effective Income Tax Rate Reconciliation, Percent					(5.20%)
Increase (Decrease) in Earnings Per Share, Basic and Diluted					0.01
<b>Adjustments for New Accounting Principle, Early Adoption [Member]   March 31, 2016 [Member]   Accounting Standards Update 2016-09 [Member]</b>					
Employee Service Share-based Compensation, Tax Benefit from Compensation Expense					54,313
Effective Income Tax Rate Reconciliation, Percent					(2.50%)

Increase (Decrease) in Earnings Per Share, Basic and Diluted					0
<b>Adjustments for New Accounting Principle, Early Adoption [Member]   June 30, 2016 [Member]   Accounting Standards Update 2016-09 [Member]</b>					
Employee Service Share-based Compensation, Tax Benefit from Compensation Expense					79,640
Effective Income Tax Rate Reconciliation, Percent					(2.30%)
Increase (Decrease) in Earnings Per Share, Basic and Diluted					0.01
<b>Reclassification of Excess Tax Benefits Related to Stock-based Employee Awards from Financing Activities to Operating Activities [Member]   Accounting Standards Update 2016-09 [Member]</b>					
Cumulative Effect on Retained Earnings, Net of Tax			1,864,980		
<b>Reclassification of Excess Tax Benefits Related to Stock-based Employee Awards from Financing Activities to Operating Activities [Member]   Three Months Ended December 31, 2015 [Member]   Accounting Standards Update 2016-09 [Member]</b>					
Prior Period Reclassification Adjustment					348,000
<b>Reclassification of Excess Tax Benefits Related to Stock-based Employee Awards from Financing Activities to Operating Activities [Member]   Six Months Ended March 31, 2016 [Member]   Accounting Standards Update 2016-09 [Member]</b>					
Prior Period Reclassification Adjustment					741,000
<b>Reclassification of Excess Tax Benefits Related to Stock-based Employee Awards from Financing Activities to Operating Activities [Member]   Nine Months Ended June 30, 2016 [Member]   Accounting Standards Update 2016-09 [Member]</b>					
Prior Period Reclassification Adjustment					\$ 1,786,000

Note D - Income Taxes - Valuation Allowance Activity (Details) (USD \$)	12 Months Ended		
	Sep. 30, 2017	Sep. 30, 2016	Sep. 30, 2015
Balance at Beginning of Year	\$ 322,404	\$ 658,808	\$ 847,826
Income Tax Benefit	(32,154)	(78,044)	(53,836)
Reversal for State NOL Expiration and Utilization	(131,096)	(258,360)	(135,182)
Balance at End of Year	\$ 159,154	\$ 322,404	\$ 658,808

Note D - Income Taxes - Significant Components of Deferred Income Tax Assets and Liabilities (Details) (USD \$)	Sep. 30, 2017	Sep. 30, 2016
	Gross long-term deferred tax liability	\$ (284,922)
Valuation allowance	(159,154)	(322,404)
Net long-term deferred tax liability	(444,076)	(411,779)
<b>Long-term [Member]</b>		
Intangibles	(90,085)	(67,450)
Property and equipment depreciation	(948,653)	(815,374)
Stock-based compensation	209,645	221,905
Goodwill	(866,388)	(786,577)
<b>Short Term [Member]</b>		
Net operating loss carry forwards and credits	551,125	702,113
Inventories	503,632	388,292
Prepaid expenses	(48,847)	(44,511)
Accrued expenses and reserves	\$ 404,649	\$ 312,227

Note D - Income Taxes - Reconciliation of the Federal Statutory Income Tax Rate (Details)	12 Months Ended		
	Sep. 30, 2017	Sep. 30, 2016	Sep. 30, 2015
Federal statutory rate	34.00%	34.00%	34.00%
State income taxes	1.00%	1.00%	1.00%
Permanent differences	(1.00%)		1.00%
Change in valuation allowance	(4.00%)	(3.00%)	(3.00%)
Expiration and utilization of state NOL's	3.00%	2.00%	2.00%
Research and development credits	(1.00%)	(1.00%)	
Excess tax benefits from stock-based compensation	(1.00%)	(7.00%)	
Tax rate	31.00%	26.00%	35.00%

Note D - Income Taxes - Income Tax Expense (Benefit) Components (Details) (USD \$)	12 Months Ended		
	Sep. 30, 2017	Sep. 30, 2016	Sep. 30, 2015
<b>Current:</b>			
Federal	\$ 1,627,125	\$ 428,638	\$ 67,373
State	78,552	106,623	65,820
Current income tax expense	1,705,677	535,261	133,193

<b>Deferred:</b>			
Federal	8,680	2,434,294	2,377,590
State	23,617	(93,523)	(35,545)
Deferred income tax expense	32,297	2,340,771	2,342,045
Income tax expense	\$ 1,737,974	\$ 2,876,032	\$ 2,475,238

Note E - Concentrations (Details Textual) (USD \$)	12 Months Ended	
	Sep. 30, 2017	Sep. 30, 2016
Property, Plant and Equipment, Net	5,434,172	5,780,814
<b>MEXICO</b>		
Property, Plant and Equipment, Net	581,396	376,004
<b>Accounts Receivable [Member]   Customer Concentration Risk [Member]   Customer B [Member]</b>		
Concentration Risk, Percentage	19.00%	12.00%
<b>Accounts Receivable [Member]   Customer Concentration Risk [Member]   Customer A [Member]</b>		
Concentration Risk, Percentage		18.00%

Note E - Concentrations - Customers Comprising 10% or More of Net Sales (Details) (Customer Concentration Risk [Member], Sales Revenue, Net [Member])	12 Months Ended		
	Sep. 30, 2017	Sep. 30, 2016	Sep. 30, 2015
<b>Customer A [Member]</b>			
Concentration Risk, Percentage	20.00%	21.00%	25.00%
<b>Customer B [Member]</b>			
Concentration Risk, Percentage	15.00%	16.00% [1]	[1]
[1] Less than 10%			

Note F - Employee Benefit Plan (Details Textual) (USD \$)	12 Months Ended			3 Months Ended	33 Months Ended
	Sep. 30, 2017	Sep. 30, 2016	Sep. 30, 2015	Dec. 31, 2014	Sep. 30, 2017
Defined Contribution Plan, Employer Discretionary Contribution Amount	\$ 652,615	\$ 520,530	\$ 460,868		
<b>First Level of Matching [Member]</b>					
Defined Contribution Plan, Employer Matching Contribution, Percent of Match				100.00%	100.00%
Defined Contribution Plan, Employer Matching Contribution, Percent of Employees' Gross Pay				3.00%	3.00%
<b>Second Level Of Matching [Member]</b>					
Defined Contribution Plan, Employer Matching Contribution, Percent of Match				50.00%	50.00%
Defined Contribution Plan, Employer Matching Contribution, Percent of Employees' Gross Pay					