UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, DC 20549

FORM 11-K

☑ ANNUAL REPORT PURSUANT TO SECTION 15 (d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the Fiscal Year Ended June 30, 2012

OR

□ TRANSITION REPORT PURSUANT TO SECTION 15 (d) OF THE SECURITIES EXCHANGE ACT OF 1934

to

For the Transition Period from

Commission File Number 000-25032

UNIVERSAL STAINLESS & ALLOY PRODUCTS, INC. 1996 EMPLOYEE STOCK PURCHASE PLAN

(Full title of the plan and the address of the plan, if different from that of the issuer named below)

UNIVERSAL STAINLESS & ALLOY PRODUCTS, INC.

600 Mayer Street Bridgeville, PA 15107

(Name of the issuer of the securities held pursuant to the plan and the address of its principal executive office)

Universal Stainless & Alloy Products, Inc. 1996 Employee Stock Purchase Plan

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23.1 Consent of Independent Registered Public Accounting Firm

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Report of Independent Registered Public Accounting Firm

To the Participants and Administrator of

Universal Stainless & Alloy Products, Inc. 1996 Employee Stock Purchase Plan Bridgeville, Pennsylvania

We have audited the accompanying statements of financial condition of the Universal Stainless & Alloy Products, Inc. 1996 Employee Stock Purchase Plan (Plan) as of June 30, 2012 and 2011, and the related statements of income and changes in plan equity for the years ended June 30, 2012, 2011 and 2010. These financial statements are the responsibility of the Plan Administrator. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. The Plan is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. Our audits included consideration of internal control over financial reporting. Our audits included consideration of internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial condition of the Plan as of June 30, 2012 and 2011, and the income and changes in plan equity for the years ended June 30, 2012, 2011 and 2010 in conformity with accounting principles generally accepted in the United States of America.

/s/ Schneider Downs & Co., Inc. Schneider Downs & Co., Inc. Pittsburgh, Pennsylvania September 25, 2012

Universal Stainless & Alloy Products, Inc. 1996 Employee Stock Purchase Plan Statements of Financial Condition

	June 30,	
	2012	2011
Assets:		
Cash	\$158,591	\$118,365
Receivable from Plan sponsor	7,077	3,257
Total assets	\$165,668	\$121,622
Liabilities and Plan equity:		
Payable to Plan sponsor	\$163,685	\$118,643
Refunds payable to Plan participants	234	2,079
Total liabilities	163,919	120,722
Plan equity	1,749	900
Total liabilities and Plan equity	\$165,668	\$121,622

The accompanying notes are an integral part of these financial statements.

Universal Stainless & Alloy Products, Inc. 1996 Employee Stock Purchase Plan Statements of Income and Changes in Plan Equity

	For t	For the years ended June 30,		
	2012	2011	2010	
Additions:				
Contributions by participating employees	\$330,376	\$202,897	\$127,666	
Interest on bank deposits	506	347	257	
Total additions	330,882	203,244	127,923	
Deductions:				
Stock distributions	297,160	195,600	118,310	
Participant withdrawals	32,367	6,762	9,309	
Administrative costs	506	347	257	
Total deductions	330,033	202,709	127,876	
Net increase in Plan equity	849	535	47	
Plan equity, beginning of year	900	365	318	
Plan equity, end of year	<u>\$ 1,749</u>	\$ 900	\$ 365	

The accompanying notes are an integral part of these financial statements.

Universal Stainless & Alloy Products, Inc. 1996 Employee Stock Purchase Plan Notes to the Financial Statements June 30, 2012

1. Description of the Plan

The Universal Stainless & Alloy Products, Inc. (the "Company") 1996 Employee Stock Purchase Plan (the "Plan") was adopted by the stockholders of the Company on May 22, 1996 and was amended on May 17, 2006 and May 16, 2012. Under the 2012 amendment, the stockholders increased the number of shares authorized by 50,000 shares to an aggregate 200,000 shares of Company Common Stock for issuance under the Plan for the benefit of substantially all employees of the Company. The Plan was established to enable eligible employees of the Company to acquire an ownership interest in the Company. Employees are eligible on the first business day of any purchase period following the commencement of their employment with the Company, provided they are expected on a regularly-scheduled basis to work more than 20 hours per week for more than five months per calendar year.

Purchase rights are granted twice each year in six-month purchase periods beginning July 1 and ending December 31 and beginning January 1 and ending June 30. Purchase rights are limited to the lesser of (i) 100 shares, (ii) the maximum number of whole shares that could be purchased by an amount equal to 10 percent of an employee's compensation paid during the purchase period, or (iii) a pro-rata share, based on the employee's contribution to the Plan, of the shares remaining in the aggregate authorization under the Plan. The purchase price for shares subject to the purchase right is the lesser of (i) 85 percent of the closing market price of such Common Stock on the date the purchase right is granted, the first business day of the beginning of a six-month purchase period, or (ii) 85 percent of the closing market price of such Common Stock on the date the purchase right is exercised, the last business day of the six-month purchase period. No cash consideration is received for the granting of purchase rights.

No employee may be granted a purchase right under the Plan if the employee, immediately after the purchase right is granted, owns stock possessing five percent or more of the total combined voting power or value of all classes of stock of the Company. Also, no employee may purchase shares under the Plan in excess of \$25,000 of fair market value of such shares on the date of grant of the purchase right.

Employees may elect to participate by filing an enrollment form and authorizing payroll deductions of up to 10 percent of their compensation; provided, however, that such amount may not exceed 100 shares multiplied by 85 percent of the fair market value of a share of Company Common Stock on the date of the grant of the purchase right. Payroll deductions begin with the first paycheck received after commencement of the relevant purchase period and end with the last paycheck received within the purchase period. The shares of Common Stock subject to the purchase right are purchased on the last day of the purchase period by applying the accumulated payroll deductions to the purchase of whole shares of Common Stock. Any amount remaining after the purchase of whole shares is recorded as Plan equity and applied to the next purchase period; provided, however, if the employee purchased 100 shares during the purchase period, the balance is refunded.

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The Board of Directors of the Company has the power to terminate or amend the Plan at any time. In 2009, the Board extended the stated termination date of the Plan for a period of up to five years and the Plan will, unless further amended by the Board of Directors, terminate on the earlier of the last day of the first purchase period ending in 2015 or on the date on which all shares available for issuance under the Plan have been sold pursuant to the purchase rights exercised under the Plan.

2. Summary of Significant Accounting Policies:

Basis of Accounting

The accompanying financial statements of the Plan have been prepared in accordance with accounting principles generally accepted in the United States of America.

Security Transactions

Security transactions are accounted for as of the last day of each six-month purchase period. Securities are issued directly by the Company to the participants of the Plan from unissued shares designated for the Plan, and a corresponding liability to the Plan sponsor is recorded. The Plan does not hold the securities as temporary investments. For the fiscal years ended June 30, 2012, 2011 and 2010, the shares issued were 9,207, 9,751, and 8,471, respectively. Since inception of the Plan, 136,478 of the designated shares have been issued. The valuation of securities distributed is at cost determined in accordance with the Plan.

Contributions and Deposits

Employee contributions are recorded on the accrual basis as of the date the contributions are withheld from the employees' compensation. Contributions to the Plan are initially invested in an interest-bearing cash account pending their investment in the Company's Common Stock. Interest earned on such cash balances is returned to the Company to partially offset administrative costs of the Plan.

Withdrawals and Refunds

Participant withdrawals from the Plan may occur at the election of the participant, upon termination of employment or as a refund of contributions made in excess of the value of 100 shares of Common Stock distributed during each purchase period. Participant withdrawals equal the cash contributed to the Plan less the value of Common Stock distributed to the participant.

3. Income Taxes

The Plan is an employee stock purchase plan that is intended to meet the requirement of Section 423 of the Internal Revenue Code of 1986, as amended. Under Section 423, participants receive certain favorable tax benefits by purchasing and selling Common Stock issued under the Plan. Employees participating in the Plan receive a purchase price discount at the date of purchase but do not recognize taxable income until the shares are subsequently sold. The Plan is not subject to federal income taxes, therefore no provision for income taxes is included in the financial statements.



Signatures

Pursuant to the requirements of the Securities Exchange Act of 1934, the members of the Board of Directors who administer the Plan have duly caused this annual report to be signed on their behalf by the undersigned hereunto duly authorized.

Universal Stainless & Alloy Products, Inc. 1996 Employee Stock Purchase Plan

Date: September 25, 2012

/s/ Douglas M. McSorley

Douglas M. McSorley (Plan Administrator)

Consent of Independent Registered Public Accounting Firm

We hereby consent to the incorporation by reference in the Registration Statements (No. 333-13511 and No. 333-136984) on Form S-8 of Universal Stainless & Alloy Products, Inc. of our report dated September 25, 2012 with respect to the statements of financial condition of the Universal Stainless & Alloy Products, Inc. 1996 Employee Stock Purchase Plan as of June 30, 2012 and 2011 and the related statements of income and changes in plan equity for the years ended June 30, 2012, 2011, and 2010, which report appears in the June 30, 2012 Annual Report on the Form 11-K of the Universal Stainless and Alloy Products, Inc. 1996 Employee Stock Purchase Plan.

/s/ Schneider Downs & Co., Inc.

Schneider Downs & Co., Inc. Pittsburgh, Pennsylvania September 25, 2012