

**PERMIT DETERMINATION FORM  
MARTINSBURG FACILITY  
BERKELEY COUNTY, WEST VIRGINIA**

*Prepared for:*

**Continental Brick Company**

154 Charles Town Road  
Martinsburg, West Virginia 25401

*Prepared by:*

**Potesta & Associates, Inc.**

7012 MacCorkle Avenue, SE  
Charleston, West Virginia 25304  
Phone: (304) 342-1400 Fax: (304) 343-9031  
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Project No. 0101-16-0323

September 2016

**POTESTA**

## TABLE OF CONTENTS

Permit Determination Form .....	SECTION I
Area Map .....	ATTACHMENT A
Process Flow Diagram .....	ATTACHMENT B
Process Description.....	ATTACHMENT C
Potential to Emit .....	ATTACHMENT E
Thinstone TXS-2600 Whisper Information .....	APPENDIX

Attachments not required for this submission: Attachment D – There are no Material Safety Data Sheets.

**SECTION I**  
**PERMIT DETERMINATION FORM**



WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF AIR QUALITY  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304  
Phone: (304) 926-0475  
www.dep.wv.gov/daq

**PERMIT DETERMINATION FORM  
(PDF)**

FOR AGENCY USE ONLY: PLANT I.D. # \_\_\_\_\_  
PDF # \_\_\_\_\_ PERMIT WRITER: \_\_\_\_\_

1. NAME OF APPLICANT (AS REGISTERED WITH THE WV SECRETARY OF STATE'S OFFICE):  
Continental Brick Company

2. NAME OF FACILITY (IF DIFFERENT FROM ABOVE):  
Martinsburg Facility

3. NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS) CODE:  
  
327120 (SIC 3251)

4A. MAILING ADDRESS:  
154 Charles Town Road  
Martinsburg, West Virginia 25401

4B. PHYSICAL ADDRESS:  
154 Charles Town Road  
Martinsburg, West Virginia 25401

5A. DIRECTIONS TO FACILITY (PLEASE PROVIDE MAP AS ATTACHMENT A):  
From Interstate 81, take Exit 12. Travel East on State Route 9 approximately 1.5 miles. The facility is located on the right side of State Route 9.

5B. NEAREST ROAD:  
State Route 9

5C. NEAREST CITY OR TOWN:  
Martinsburg

5D. COUNTY:  
Berkeley

5E. UTM NORTHING (KM):  
4,368.9

5F. UTM EASTING (KM):  
245.4

5G. UTM ZONE:  
18

6A. INDIVIDUAL TO CONTACT IF MORE INFORMATION IS REQUIRED:  
Donald B. Sult

6B. TITLE:  
Vice President - Operations

6C. TELEPHONE:  
(304) 263-6974

6D. FAX:  
(304) 267-0793

6E. E-MAIL:  
dbsult@continentalbrick.com

7A. DAQ PLANT I.D. NO. (FOR AN EXISTING FACILITY ONLY):  
  
003-00002

7B. PLEASE LIST ALL CURRENT 45CSR13, 45CSR14, 45CSR19 AND/OR TITLE V (45CSR30) PERMIT NUMBERS ASSOCIATED WITH THIS PROCESS (FOR AN EXISTING FACILITY ONLY):  
  
R13-0682B/R30-00300002-2014

7C. IS THIS PDF BEING SUBMITTED AS THE RESULT OF AN ENFORCEMENT ACTION? IF YES, PLEASE LIST: No

8A. TYPE OF EMISSION SOURCE (CHECK ONE):  
 NEW SOURCE     ADMINISTRATIVE UPDATE  
 MODIFICATION     OTHER (PLEASE EXPLAIN IN 11B)

8B. IF ADMINISTRATIVE UPDATE, DOES DAQ HAVE THE APPLICANT'S CONSENT TO UPDATE THE EXISTING PERMIT WITH THE INFORMATION CONTAINED HEREIN?  
  
 YES     NO    N/A

9. IS DEMOLITION OR PHYSICAL RENOVATION AT AN EXISTING FACILITY INVOLVED?     YES     NO

10A. DATE OF ANTICIPATED INSTALLATION OR CHANGE:  
Upon DAQ's concurrence that no permit is needed.

10B. DATE OF ANTICIPATED START-UP:  
Upon DAQ's concurrence that no permit is needed.

11A. PLEASE PROVIDE A DETAILED PROCESS FLOW DIAGRAM SHOWING EACH PROPOSED OR MODIFIED PROCESS EMISSION POINT AS ATTACHMENT B. See Attached

11B. PLEASE PROVIDE A DETAILED PROCESS DESCRIPTION AS ATTACHMENT C. See Attached

12. PLEASE PROVIDE MATERIAL SAFETY DATA SHEETS (MSDS) FOR ALL MATERIALS PROCESSED, USED OR PRODUCED AS ATTACHMENT D. FOR CHEMICAL PROCESSES, PLEASE PROVIDE A MSDS FOR EACH COMPOUND EMITTED TO AIR.

N/A

**13A. REGULATED AIR POLLUTANT EMISSIONS:**

⇒ **FOR A NEW FACILITY**, PLEASE PROVIDE PLANT WIDE EMISSIONS BASED ON THE POTENTIAL TO EMIT (PTE) FOR THE FOLLOWING AIR POLLUTANTS INCLUDING ALL PROCESSES.

⇒ **FOR AN EXISTING FACILITY**, PLEASE PROVIDE THE PROPOSED CHANGE IN EMISSIONS BASED ON THE PTE OF ALL PROCESS CHANGES FOR THE FOLLOWING AIR POLLUTANTS.

*PTE FOR A GIVEN POLLUTANT IS TYPICALLY BEFORE AIR POLLUTION CONTROL DEVICES AND IS COLLECTED BASED ON THE MAXIMUM DESIGN CAPACITY OF PROCESS EQUIPMENT.*

POLLUTANT	HOURLY PTE (LB/HR)	YEARLY PTE (TON/YR) (HOURLY PTE MULTIPLIED BY 8760 HR/YR) DIVIDED BY 2000 LB/TON
PM	The proposed saw requires water to protect the blade while cutting; therefore, no emissions are expected from the operation of the saw.	
PM <sub>10</sub>		
VOCs		
CO		
NO <sub>x</sub>		
SO <sub>2</sub>		
Pb		
HAPs (AGGREGATE AMOUNT)		
TAPs (INDIVIDUALLY)*		
Mineral Acids		

\* ATTACH ADDITIONAL PAGES AS NEEDED

**13B. PLEASE PROVIDE ALL SUPPORTING CALCULATIONS AS ATTACHMENT E.**

*CALCULATE AN HOURLY AND YEARLY PTE OF EACH PROCESS EMISSION POINT (SHOWN IN YOUR DETAILED PROCESS FLOW DIAGRAM) FOR ALL AIR POLLUTANTS LISTED ABOVE INCLUDING INDIVIDUAL HAP'S (LISTED IN SECTION 112[b] OF THE 1990 CAAA), TAP'S (LISTED IN 45CSR27), AND OTHER AIR POLLUTANTS (E.G. POLLUTANTS LISTED IN TABLE 45-13A OF 45CSR13, MINERAL ACIDS PER 45CSR7, ETC.).*

**14. CERTIFICATION OF DATA**

I, Donald B. Sult (TYPE NAME) ATTEST THAT ALL THE REPRESENTATIONS CONTAINED IN THIS APPLICATION, OR APPENDED HERETO, ARE TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE BASED ON INFORMATION AND BELIEF AFTER REASONABLE INQUIRY, AND THAT I AM A **RESPONSIBLE OFFICIAL**\*\* (PRESIDENT, VICE PRESIDENT, SECRETARY OR TREASURER, GENERAL PARTNER OR SOLE PROPRIETOR) OF THE APPLICANT.

SIGNATURE OF RESPONSIBLE OFFICIAL: \_\_\_\_\_



TITLE: Vice President - Operations

DATE: 8 30 2016

\*\*THE DEFINITION OF THE PHRASE 'RESPONSIBLE OFFICIAL' CAN BE FOUND AT 45CSR13, SECTION 2.23.

**NOTE: PLEASE CHECK ENCLOSED ATTACHMENTS:**

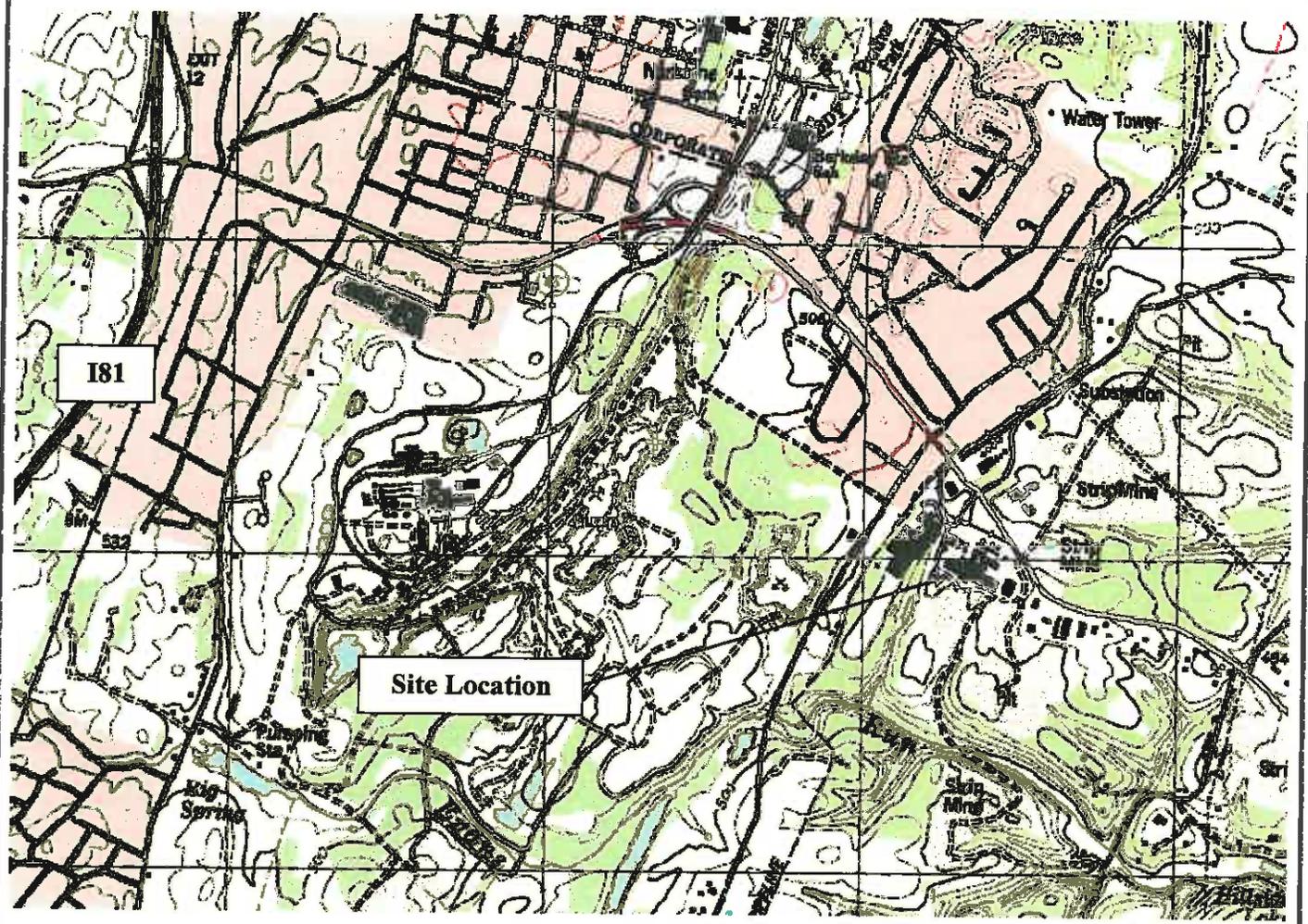
ATTACHMENT A     ATTACHMENT B     ATTACHMENT C     ATTACHMENT D     ATTACHMENT E

RECORDS ON ALL CHANGES ARE REQUIRED TO BE KEPT AND MAINTAINED ON-SITE FOR TWO (2) YEARS.

THE PERMIT DETERMINATION FORM WITH THE INSTRUCTIONS CAN BE FOUND ON DAQ'S PERMITTING SECTION WEB SITE:

[www.dep.wv.gov/daq](http://www.dep.wv.gov/daq)

**ATTACHMENT A**  
**AREA MAP**



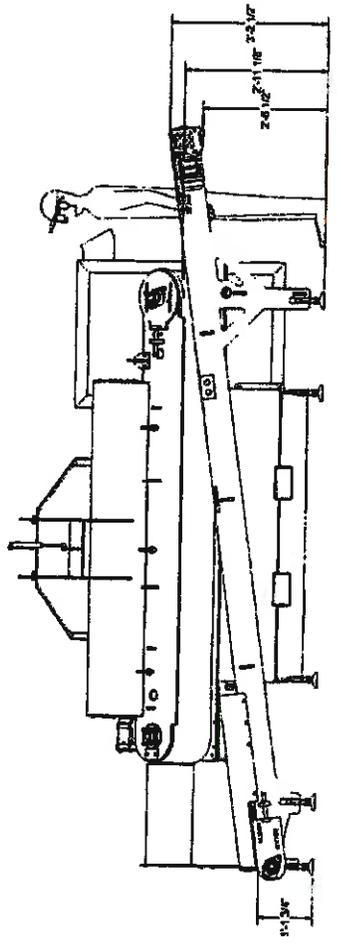
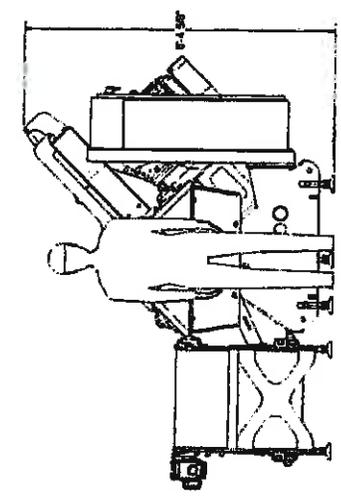
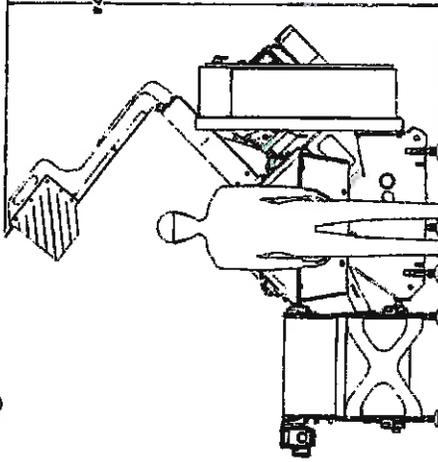
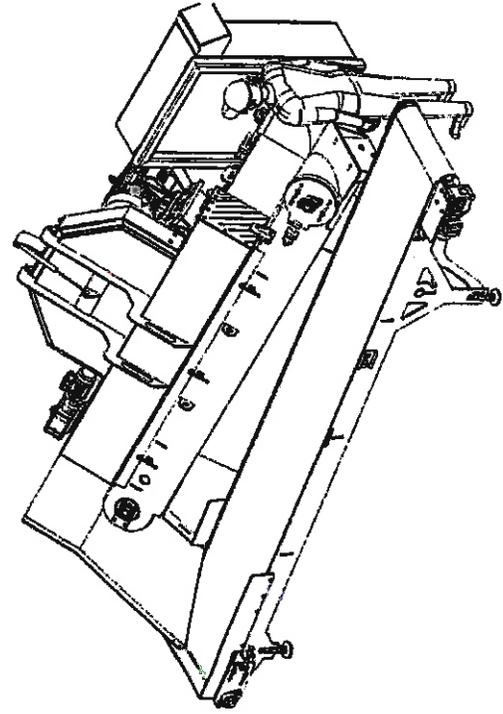
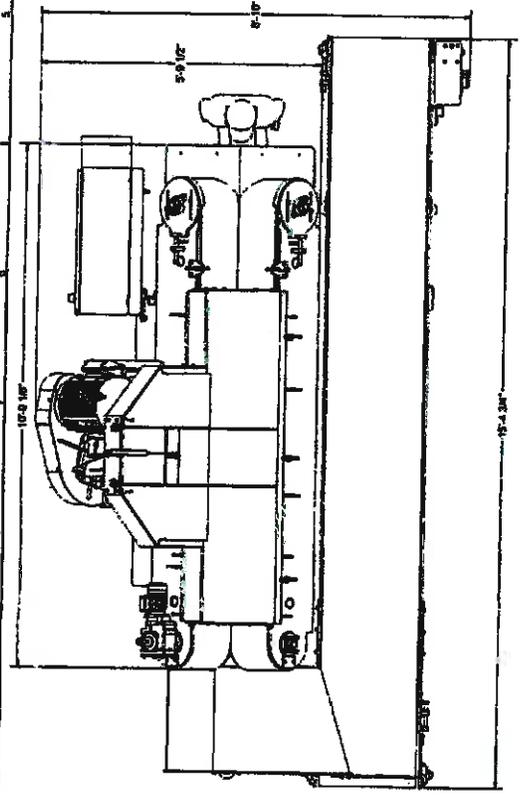
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Phone: (304) 342-1400 Fax: (304) 343-9031  
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**Martinsburg Facility**  
**Continental Brick Company**  
Martinsburg, West Virginia

**ATTACHMENT B**  
**PROCESS FLOW DIAGRAM**

FOR PROPOSAL ONLY. DO NOT CONSTRUCT.



SHOWN WITH BLADE SHROUDED OPEN

**Park Industries** P.O. BOX 188  
ST. CLOUD, MN 56302  
TEL: 507/325-1111 FAX: 507/325-1112

**TXS-2600 LH RETURN W/ CONVEYOR**

SCALE: 1/4" = 1'-0"

DATE: 01/11/92

REV: 1

Y-5325

DO NOT SCALE DIMENSIONS

DATE	DESCRIPTION	BY	REV

NOTES:  
1. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.  
2. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED.  
3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.



**ATTACHMENT C**  
**PROCESS DESCRIPTION**

## ATTACHMENT C

### PROCESS DESCRIPTION

Continental Brick Company is proposing to install a ThinStone TXS – 2600 Whisper Veneer Saw from Park Industries. The saw will be utilized to cut the face from the fired face bricks to make veneer brick. The saw is manually fed brick onto a conveyor which moves the brick in and through the saw blade. The saw cuts the required thickness from the brick and discharges the cut brick pieces via conveyor.

This is a wet cutting saw. Water is applied at the saw blade at 10 gallons per minute at 40 psi. There is a shroud over the cutting area which contains the water in the cutting area around the saw blade and the brick being cut. The saw is required to have water being applied to the saw blade for cooling and to carry the cuttings away from the saw blade; therefore, this saw is not expected to generate particulate matter emissions.

A video is available online which shows this equipment in operation. Please visit the Park Industries website at:

<http://www.parkindustries.com/products-solutions/architectural-fabrication/thinstone-veneer/txs-2000-series/>

**ATTACHMENT E**  
**EMISSIONS ESTIMATE**

## **ATTACHMENT E**

### **EMISSIONS ESTIMATE**

The ThinStone TXS – 2600 Whisper Veneer Saw is a wet cutting saw. Water is required at 10 gallons per minute and 40 psi. This equipment is not anticipated to produce particulate matter emissions since it must operate with water. There are no other regulated pollutants that could be generated from this process.

**APPENDIX**

**THINSTONE TXS-2600 WHISPER INFORMATION**

Park Industries'  
**ThinStone**<sup>®</sup>  
TXS-2600 *Whisper*

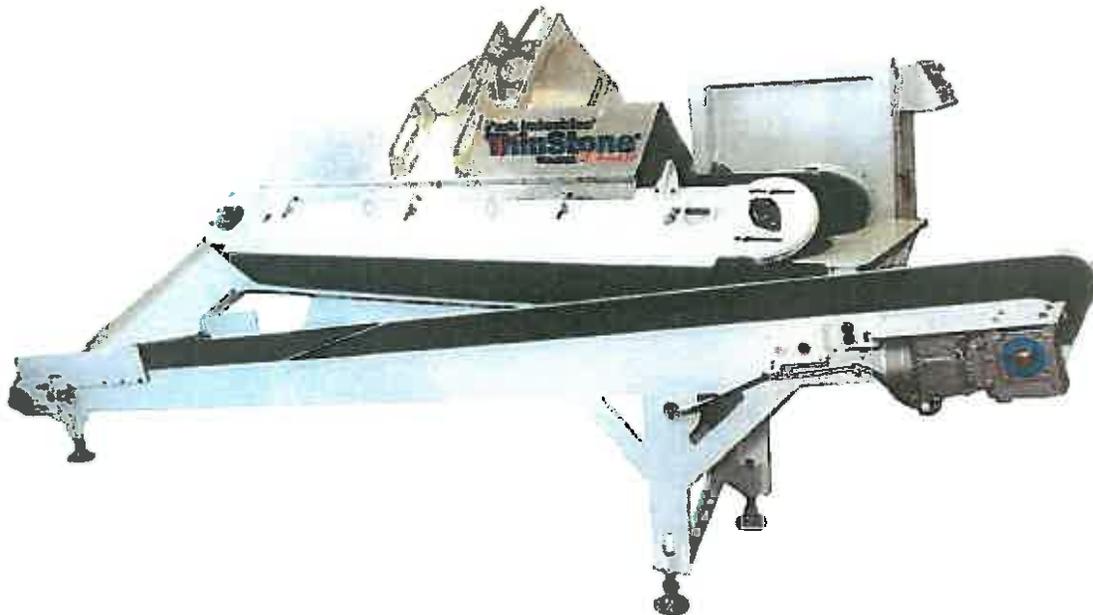
## Enter the ThinStone Revolution with a **ThinStone TXS-2600 *Whisper*** from Park Industries.

ThinStone has become one of the most desired building materials on the market today. And, Park Industries pioneered the first automated ThinStone TXS machine and continues to evolve the product line to meet the ever changing needs of this booming industry.

The ThinStone TXS-2600 Whisper Veneer Saw makes cutting thinstone veneer pieces more accurate and easier than ever before. This small footprint machine will transform dimensional stone into flat and 90-degree corners while adapting to a variety of materials, from soft limestone to the hardest sandstone or granite.

The sound dampening system on the TXS-2600 Whisper significantly absorbs sound and maintains comfortable noise levels.

The ThinStone<sup>®</sup> TXS-2600 Whisper is an operators dream machine and is the machine to build your thin stone or brick veneer business.



 **Park Industries**<sup>®</sup>  
Precision. Performance. Peace of Mind.<sup>®</sup>

Toll-Free: (800) 328-2309  [www.parkindustries.com](http://www.parkindustries.com)

**ThinStone<sup>®</sup> TXS-2600 *Whisper* FEATURES AND BENEFITS**

**ThinStone<sup>®</sup> TXS-2600 Whisper  
 CORE BENEFIT:**

- ▶ Process Natural Stone from Split Face or Natural Finish or Brick into Thin Veneer Flats and Corners

**MACHINE SPECIFICATIONS:**

- ▶ Maximum Stone Dimension Cut up to 12"
- ▶ 30 HP Arbor Drive Motor
- ▶ Belt Driven Opposed Timken Bearing Arbor with 8" Blade Flange
- ▶ Gas shock shroud allows quick and easy accessibility to the blade
- ▶ Blade Adjusts for Stone Face Width 1/2" minimum to 2 1/2" maximum face thickness
- ▶ Blade Adjusts for Segment Height 0" minimum to 2 1/2" maximum
- ▶ Water Deflector Shroud



**MACHINE CONTROLS:**

- ▶ Siemens Display Screen with PLC Control
- ▶ Auto Cycle Start, Auto Cycle Stop and Auto Cycle Pause Features
- ▶ Conveyor Base Speed Adjustable
- ▶ Amp Following of the Arbor Motor to Control the Speed of the Main Conveyor
- ▶ 480VAC/3 Phase/60 Hz (standard)
- ▶ 240 & 575 Volt Transformers Available



**BELT CONVEYOR:**

- ▶ (2) Belts: 13" Wide x 9' Long
- ▶ Single 1/3 HP Drive
- ▶ VFD Conveyor Drive, Adjustable Speed .5 to 6 FPM



**OPTIONAL**

**MATERIAL RETURN CONVEYOR:**

- ▶ 2' wide x 15' long
- ▶ Easy start/stop controls
- ▶ Fixed speed 10 ft / minute

**OPTIONAL VFD:**

- ▶ Change arbor RPM / blade speed

**MACHINE DIMENSIONS:**

Length: 13'  
 Width: 6'  
 Height: 6'  
 Weight: 5,800 lbs.



**Designed, Built & Supported in the USA**

The information presented was correct at the time of publication. Park Industries reserves the right to make changes and alterations to machines and/or specifications without prior notice. Some images may show machines with guarding removed for improved visual presentation. Never operate any machine without all safety measures in place and in operation.

**Water System**

Description on this page is for Left Hand Model

The machine's water components consist of a ball valve and water forks. The easy operator access ball valve is conveniently mounted on the electrical cabinet frame. From the ON/OFF ball valve a 1 1/2" hose carries the water to the water fork manifold which is mounted on the conveyor shroud back assembly. The forks which are threaded into the manifold do NOT have to be removed to change a blade.

