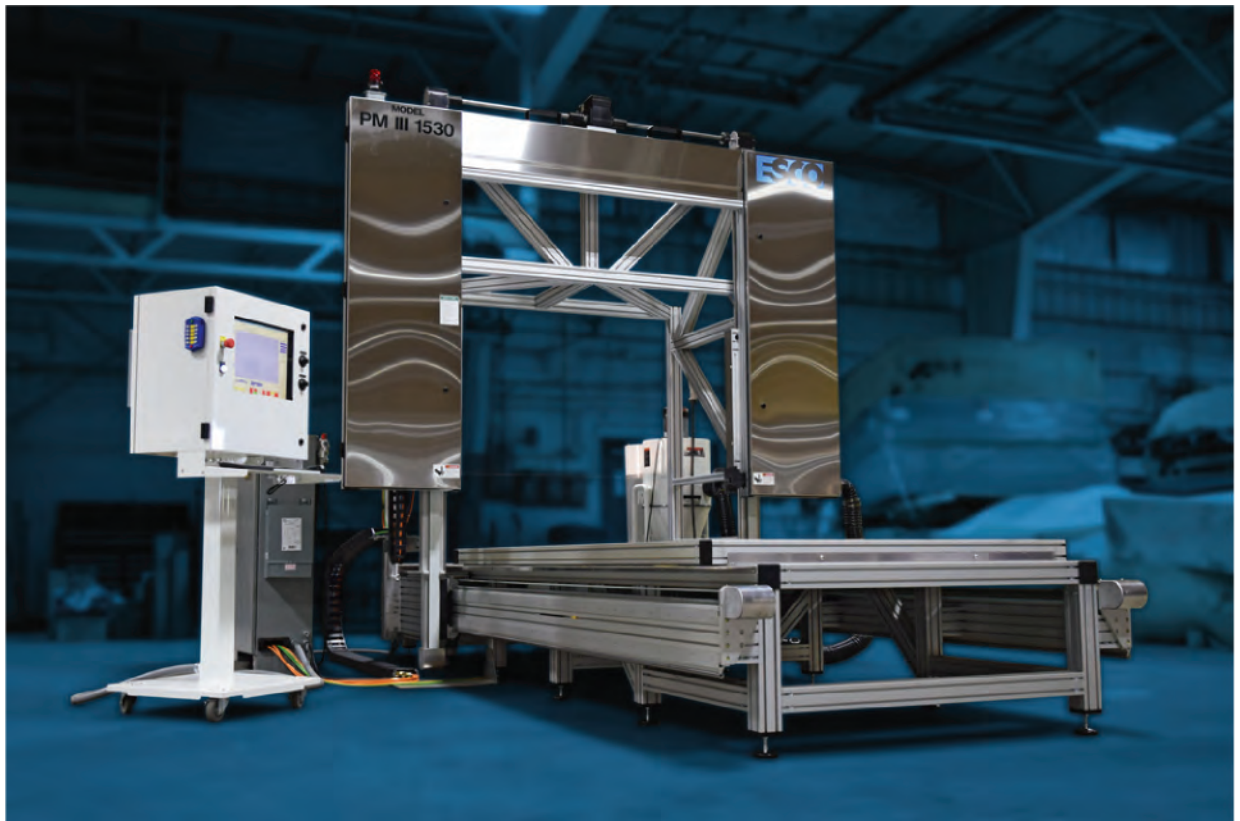


ESCO's ProfileMatic III CNC profile saw is the third generation of ESCO's highly popular and successful line of abrasive wire contour cutting machines. Utilizing precision gearboxes Siemens CNC motion controls, servos and drives, ESCO's Profilematic III or (PM III for short) is able to process both rigid and flexible polyurethanes with efficiency, accuracy and precision.

ESCO's PM III horizontal wire profile saw is the most widely adopted machine in the USA for processing industrial insulation. Coupled with ESCODraw Pro nesting and layout management software, the ProfileMatic III is extremely user-friendly and easy to operate. Additionally, ESCODraw Pro has highly specialized pipe insulation (pipe cover) generation and nesting capabilities. To generate pipe insulation the operator simply inputs the size of the block of material, selects the desired pipe insulation size(s) from the American Society for Testing and Materials (ASTM) chart for either iron or copper pipe, then specifies the appropriate quantities for each pipe cover specified, nests the data and runs the resulting nested file on the CNC machine. With the ASTM chart preloaded into ESCODraw, it is not necessary to draw each pipe size and store the files for use. ESCODraw Pro creates the files on the fly, thus simplifying and streamlining the pipe insulation manufacturing process.

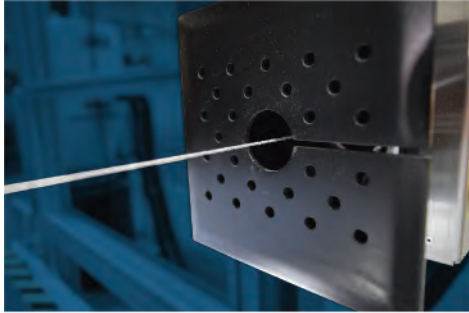
The highly specialized pipe generation and nesting features in ESCODraw Pro, in addition to the preconfigured ASTM chart, include: six pipe cover joint types; flush, overlapping (lap joint), semicircular, triangular, dovetail and custom joints; common line pipe insulation cutting (pipe in pipe), with infinite number of layers; seven unique clustering options utilized during nesting for efficient layout generation, grid fitting options to align parts in a uniform grid layout to maximize cutting efficiency, configurable part fitting options to allow the nesting software to fit parts from 1-360 degree fitting iterations; and a highly specialized cut path generation algorithm that compensates for wire diameter and part shifting/falling during cutting of rigid insulation materials.



PROFILEMATIC III [PMIII] HORIZONTAL CNC ABRASIVE WIRE CONTOUR SAW

CNC WIRE CONTOUR

PMIII
HORIZONTAL CNC WIRE CONTOUR



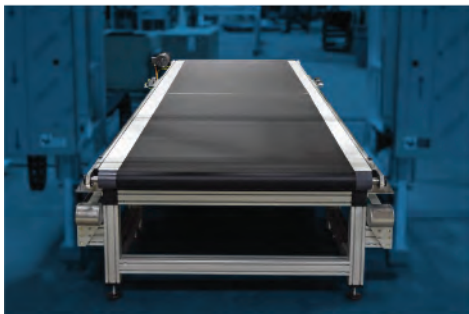
DUST COLLECTOR



INDUSTRIAL REMOTE CONTROL



OPERATOR CONSOLE



OPTIONAL CONVEYOR



PIPE INSULATION CUT ON THE PMIII 1530

STANDARD FEATURES

- PC BASED OPERATOR TERMINAL
- INDUSTRIAL HANDHELD REMOTE CONTROL
- POWERED ADJUSTABLE UPPER BLADE GUIDE ASSEMBLY
- AIR-CONDITIONED MAIN CONTROL PANEL
- SIEMENS CNC MOTION CONTROLS
- ESCODRAW STANDARD

OPTIONAL FEATURES

- WIDTHS UP TO 10' [3M]
- LENGTHS UP TO 33' [10M]
- ESCODRAW PRO - ADVANCED NESTING AND CUT PATH GENERATOR
- NESTING DISPLAY SYSTEM - LARGE FORMAT DISPLAY FOR USE WITH UNLOADING COMPLEX MULTIPART NESTED LAYOUTS
- 0 AND 90 DEGREE TURNABLES
- 0 AND 360 DEGREE TURNABLES
- DUST COLLECTION SYSTEM
- AIR-CONDITIONED PC TERMINAL

OPERATOR CONTROL FEATURES

- WITH THE EXCEPTION OF THE WIRE TENSION PANEL, THIS SINGLE POINT OPERATOR CONTROL STATION HOUSES ALL THE CONTROLS FOR THE PMIII IN A PC BASED TERMINAL.

POWER REQUIREMENT SPECIFICATIONS

- 380/500VAC 3-PHASE 50-60HZ
- CLEAN, DRY COMPRESSED AIR

PROFILEMATIC III CUTTING FOAMGLAS

• ANOTHER EXCITING FEATURE OF THE PROFILEMATIC III HORIZONTAL WIRE SAW IS THE ABILITY TO EFFECTIVELY CUT PITTSBURG CORNING'S FOAMGLAS®(CELLULAR GLASS). THE FIRST CHALLENGE OF CUTTING HIGHLY ABRASIVE MATERIALS SUCH AS FOAMGLAS®, MINERAL FIBER AND CALCIUM SILICATE IS TO USE A TUNGSTEN CUTTING WIRE WHICH ESCO HAS PERFECTED WITH ITS SUPPLIERS. ESCO PROPRIETARY TUNGSTEN CUTTING WIRE CAN WITHSTAND THE AGGRESSIVE NATURE OF HIGHLY ABRASIVE MATERIALS.

ADDITIONALLY, ESCO HAS PERFECTED A SYSTEM ALLOWING FABRICATORS TO ASSEMBLE LARGE BLOCKS OF FOAMGLAS® AND OTHER INSULATION MATERIALS THAT ARE ONLY PRODUCED IN SMALL BLOCKS. FROM THESE SMALLER BLOCK OF FOAMGLAS® FABRICATORS CAN USE PRODUCTS SUCH AS STRATAFAB® OR HYDROCAL® (GYPSUM CEMENT) TO PRODUCE LARGE AGGREGATED BLOCKS. THE PROFILEMATIC IS ABLE TO DETECT THE GROUT LINES AND SLOW DOWN THE MACHINE TO USER DEFINED SPEEDS SO AS TO ALLOW THE CUTTING WIRE SUFFICIENT TIME TO PROCESS THE VERY THICK AND DIFFICULT TO CUT GROUT LINES.

SPECIFICATIONS [INFORMATION BASED ON MODEL 1530]

TECHNOLOGY	CNC OPERATED W/HMI COMPUTER UTILIZING ESCODRAW/VIEW
WIRE SPEED	VARIABLE
CUTTING SPEED	400IN/MIN [10M/MIN]
SYSTEM PRESSURE	70 PSI CONTINUOUS
MAX CUTTING DIMENSIONS	
CUTTING WIDTH	59IN [1.5M] OR 98IN [2.5M]
CUTTING LENGTH	118IN [3M] WITH OPTIONAL 197IN [5M] INCREMENTS OF 1M-10M
CUTTING HEIGHT	56IN [1.4M]
FLOOR SPACE REQUIRED [SMALLEST MODEL]	
OVERALL WIDTH	118IN [3M] OR 141IN [3.8M] WITH ELECTRICAL ENCLOSURE
OVERALL LENGTH	228IN [5.8M]
MAXIMUM HEIGHT	157IN [4M]
SAFETY ZONE [REC]	36IN [.9M] AROUND ENTIRE MACHINE
SHIPPING WEIGHT IS APPROXIMATELY 1599KG [3500LBS]	

PMIII MODELS

MODELS	CUTTING WIDTH	CUTTING LENGTH
1530	1500MM [1.5M OR 4.9FT]	3000MM [3M OR 9.8FT]
1550	1500MM [1.5M OR 4.9FT]	5000MM [5M OR 16.4FT]
1570	1500MM [1.5M OR 4.9FT]	7000MM [7M OR 23FT]
15100	1500MM [1.5M OR 4.9FT]	10000MM [10M OR 32.8FT]
2030	2000MM [2M OR 6.5FT]	3000MM [3M OR 9.8FT]
2525	2500MM [2.5M OR 8.2FT]	2500MM [2.5M OR 8.2FT]
2550	2500MM [2.5M OR 8.2FT]	5000MM [5M OR 16.4FT]
3030	3000MM [3M OR 9.8FT]	3000MM [3M OR 9.8FT]
3050	3000MM [3M OR 9.8FT]	5000MM [5M OR 16.4FT]

CUTTING HEIGHT [ALL MODELS ARE 1430MM [1.4M OR 4.6FT]