CNC WIRE CONTOUR

VPW

VERTICAL CNC WIRE CONTOUR

EDGE-SWEETS CO

WHERE IMAGINATION TAKES SHAPE

ESCO's VPW (short for Vertical ProfileMatic Wire) is a high speed vertical contour cutting foam saw that utilizes an abrasive cutting wire. This vertical profile cutter is able cut a wide range of materials including flexible and rigid polyurethanes, expanded polystyrene (EPS) as well as non-woven fiber products. Shop dust is kept to a minimum due to gravity, the downward cutting action and extreme speed of the cutting wire.

VPW 36-88 VERTICAL CNC ABRASIVE WIRE CONTOUR

MACHINE SIZES	VPW 36-55	VPW 36-88	VPW 50-88
CUTTING HEIGHT	36" [914 MM]	36" [914 MM]	50" [1270 MM]
CUTTING WIDTH	55" [1397 MM]	88" [2235 MM]	88" [2235 MM]
MAX CUTTING SPEED	75FT/MIN [23M/MIN]	75FT/MIN [23M/MIN]	75FT/MIN [23M/MIN]
FLOOR SPACE REQUIRED			
OVERALL WIDTH	204" [5182 MM]	276" [7010 MM]	276" [7010 MM]
OVERALL LENGTH	270" [6858 MM]	270" [6858 MM]	270" [6858 MM]
MAXIMUM HEIGHT	90" [2286 MM]	90" [2286 MM]	110" [2794 MM]
SHIPPING WEIGHT : 5500-6500LBS [2495-2948KG] [VARIES BY MODEL]			

616-453-5458
EDGE-SWEETS.COM

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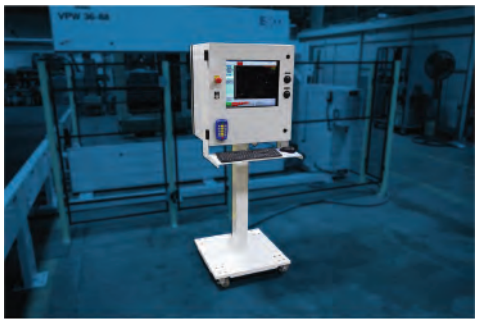

OPERATOR CONSOLE

INDUSTRIAL REMOTE CONTROL

AIR-CONDITIONED MAIN CONTROL PANEL

WIRE TENSION ADJUSTMENTS

DPW 36-88

STANDARD
FEATURES

- PC BASED OPERATOR TERMINAL
- INDUSTRIAL HANDHELD REMOTE CONTROL
- AIR-CONDITIONED MAIN CONTROL PANEL
- SIEMENS CNC MOTION CONTROLS
- ESCODRAW STANDARD

OPTIONAL
FEATURES

- ESCODRAW PRO + ADVANCED NESTING SOFTWARE
- AIR-CONDITIONED PC TERMINAL
- DUST COLLECTION SYSTEM
- NESTING DISPLAY SYSTEM - LARGE FORMAT FOR COMPLEX LAYOUTS

OPERATOR CONTROL
FEATURES

- PLC CONTROL WITH PC INTERFACE.
- CONTROLS ARE MOUNTED ON A FREESTANDING PEDESTAL.

POWER REQUIREMENT
SPECIFICATIONS

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

VPW
CUTTING NON-WOVEN FIBER PRODUCTS

- ESCO'S VPW VERTICAL CNC CONTOUR SAW EXCELS AT PROCESSING LARGE VOLUMES OF NON-WOVEN FIBERS. FURNITURE FABRICATORS ARE ABLE TO CUT STACKS OF SHEETS UP TO 900MM TALL (36").

THE MAIN BENEFITS TO USING A CUTTING WIRE OVER A BLADE FOR PROCESSING NON-WOVEN FIBER PRODUCTS ARE SIMPLICITY OF THE MACHINERY, LESS MAINTENANCE AND THE COST OF THE MACHINERY. USING A BLADE TO PROCESS NON-WOVEN REQUIRES A VERY SHARP BLADE AND A BLADE SHARPENING SYSTEM TO MAINTAIN THE EDGE. ADDITIONALLY, THE COST OF THE COMPONENTS OF A BLADE CONTOUR MACHINE USED TO MANAGE TURNING THE BLADE ARE QUITE COSTLY. BLADE PROFILE MACHINES CAN COST 50% (OR MORE) THAN AN ABRASIVE WIRE CUTTING MACHINE, REQUIRE MORE FINESSE TO OPERATE AND MORE CARE TO MAINTAIN.

THE CONS OF A WIRE CONTOUR MACHINE VERSUS A BLADE MACHINE ARE THE CUT QUALITY AND MAXIMUM CUTTING SPEEDS. FOR MOST FABRICATORS THE CUT QUALITY ISSUE IS NEGLIGIBLE AS THE CUT SHAPES OF FIBER ARE TYPICALLY GLUED TO FOAM AND COVERED WITH FABRICS. SPEED IS RARELY AN ISSUE AS THE VPW IS ABLE TO KEEP MORE THAN ONE OPERATOR BUSY UNLOADING WHILE THE MACHINE IS PROCESSING NEAR FULL SPEED.