ESCO’s Horizontal Profiler (HP) utilizes a band knife or tooth blade for fast and accurate profile cutting of flexible polyurethane foams. The horizontal contour foam saw has many applications and options making it a very versatile foam fabrication machine. Shipping standard with a manual turntable the machine may be configured with various options such as automatic turntables, turntables with conveyor belts for automation loading and unloading, a block clamping/hold down system, center blade guide system and finally a blade sharpening system. ESCO’s horizontal blade CNC foam saw is most commonly used for furniture, packaging and mattress production.

The Horizontal Profiler uses a continuous blade, making it an excellent choice for cutting flexible PU, visco-elastic memory and Latex foam, and semi-rigid high ILD PU foam. Used for a wide range of applications in the bedding and furniture, packaging, medical, insulation, and automotive industries.

<table>
<thead>
<tr>
<th>SPECIFICATIONS</th>
<th>HP 50-88</th>
<th>HP 60-88</th>
<th>HP 60-96</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLADE SPEED</td>
<td>VARIABLE</td>
<td>VARIABLE</td>
<td>VARIABLE</td>
</tr>
<tr>
<td>CUTTING SPEED</td>
<td>131FT/MIN [40M/MIN]</td>
<td>131FT/MIN [40M/MIN]</td>
<td>131FT/MIN [40M/MIN]</td>
</tr>
<tr>
<td>CUTTING WIDTH</td>
<td>88” [2235 MM]</td>
<td>88” [2235 MM]</td>
<td>96” [2438 MM]</td>
</tr>
<tr>
<td>CUTTING HEIGHT</td>
<td>50” [1270 MM]</td>
<td>60” [1524 MM]</td>
<td>60” [1524 MM]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FLOOR SPACE REQUIRED</th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>OVERALL WIDTH</td>
<td>240” [6100 MM]</td>
<td>240” [6100 MM]</td>
<td>248” [6300 MM]</td>
</tr>
<tr>
<td>OVERALL LENGTH</td>
<td>394” [10236 MM]</td>
<td>394” [10236 MM]</td>
<td>394” [10236 MM]</td>
</tr>
<tr>
<td>MAXIMUM HEIGHT</td>
<td>173” [4400 MM]</td>
<td>182” [4630 MM]</td>
<td>182” [4630 MM]</td>
</tr>
</tbody>
</table>

SHIPPING WEIGHT: HP 50-88 MODEL - 4,200 LBS [1,905 KG] [VARIES BY MODEL/OPTIONS]
STANDARD FEATURES
- PC BASED OPERATOR TERMINAL
- INDUSTRIAL HANDHELD REMOTE CONTROL
- AIR-CONDITIONED MAIN CONTROL PANEL
- SIEMENS CNC MOTION CONTROLS
- ESCODRAW STANDARD

OPTIONAL FEATURES
- BLADE SHARPENING SYSTEM WITH DUST COLLECTION
- AIR-CONDITIONED PC TERMINAL
- ESCODRAW PRO - ADVANCED NESTING AND CUT PATH GENERATOR
- NESTING DISPLAY SYSTEM - LARGE FORMAT DISPLAY FOR USE WITH UNLOADING COMPLEX MULTIPART NESTED LAYOUTS
- TURNTABLE ASSEMBLY
- CENTER BLADE GUIDE/STABILIZER
- ROLLER HOLD-DOWN

OPERATOR CONTROL FEATURES
- PC BASED OPERATOR TERMINAL MOUNTED ON FRESSTANDING PODIUM
- THE HORIZONTAL PROFILER CAN BE OPERATED IN BOTH A MANUAL AND AUTOMATIC MODE, FROM A LOCAL OPERATOR CONTROL CONSOLE OR REMOTE CONTROL CENTER THROUGH ETHERNET / WIRELESS COMMUNICATIONS

BLADE ASSEMBLY SPECIFICATIONS
- VARIABLE SPEED KNIFE BLADE
- SIEMENS CNC MOTION CONTROLS
- PNEUMATIC BLADE TENSION
- PRECISION BALANCED BLADE WHEELS WITH ELASTOMER TIRES
- OPTIONAL ROLLER HOLD-DOWN ASSEMBLY
- OPTIONAL CENTER BLADE GUIDE/STABILIZER

TURNTABLE ASSEMBLY SPECIFICATIONS
- THE TURNTABLE ASSEMBLY CONSISTS OF A STEEL TUBULAR BASE THAT SUPPORTS PRECISION SQUARE RAIL GUIDES, AN ALUMINUM EXTRUDED FRAME THAT IS DRIVEN ALONG THE BASE FRAME AND SUPPORTS THE ROTATING COMPONENTS, AND AN ALUMINUM EXTRUDED FRAME THAT PIVOTS ON A CENTER SHAFT AND SUPPORTS THE CONVEYOR BED. IN STANDARD UNITS THAT DO NOT INCLUDE A TURNTABLE, ALL OTHER COMPONENTS ARE IDENTICAL EXCEPT THE ROTATIONAL MECHANISM AND CONVEYOR COMPONENTS.

POWER REQUIREMENT SPECIFICATIONS
- 240VAC, 3-PHASE
- CLEAN, DRY COMPRESSED AIR