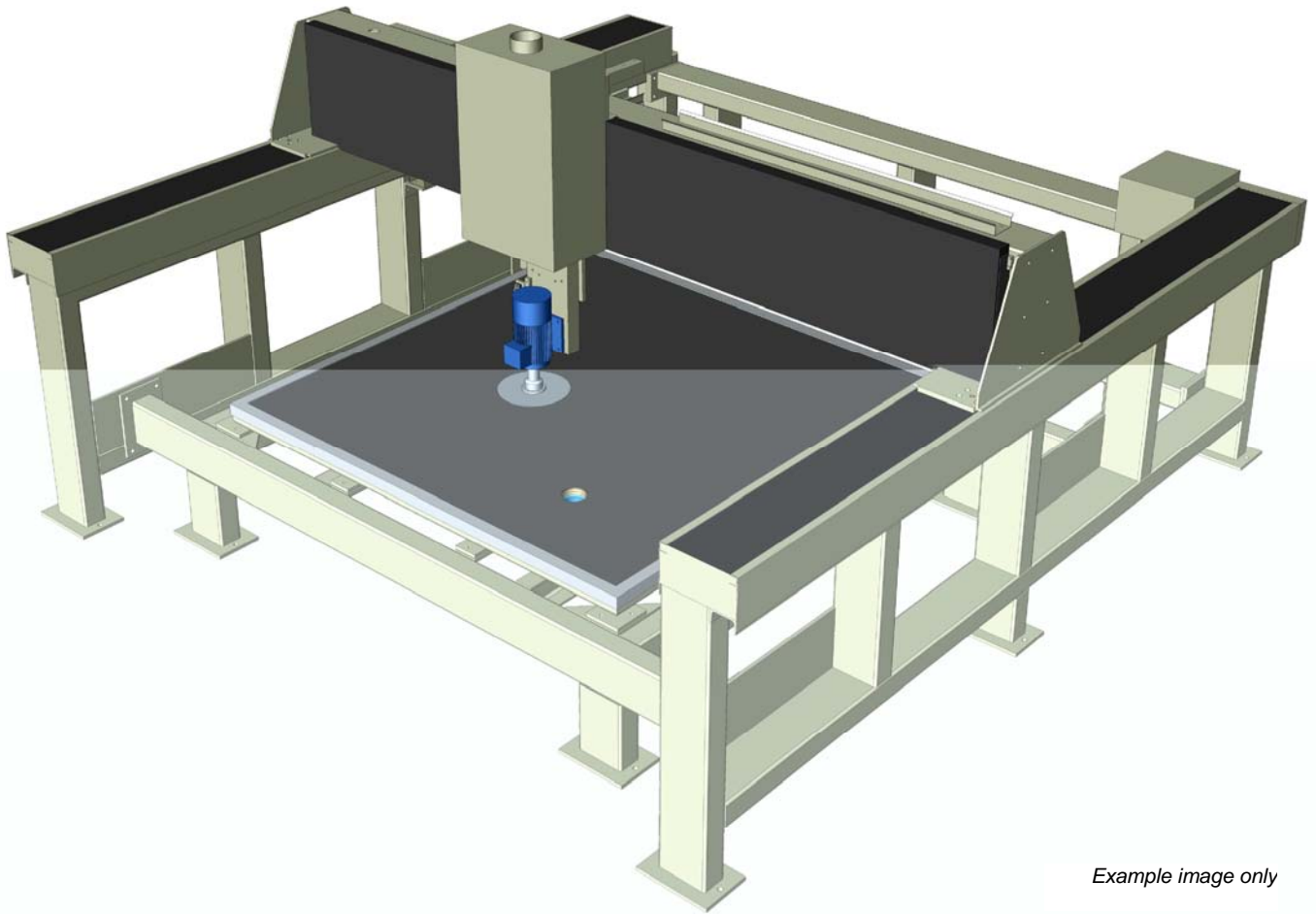




ARMOUR

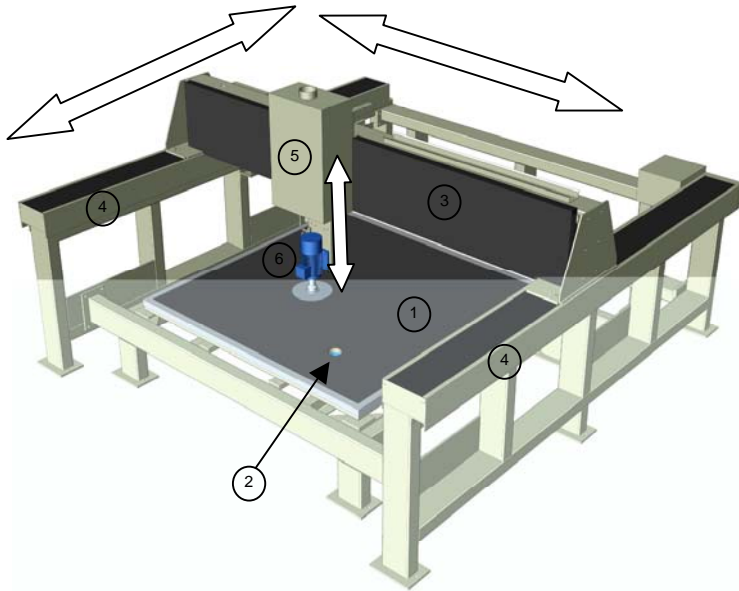
~ engineering for plastics

**CT-3X-06
CNC TRIMMING MACHINE**



Example image only

The CT-3X CNC Trimming Machine is designed to trim products in the fastest times possible. Products are located on the machine bed using a vacuum system that allows quick and easy loading and unloading of products. Programs can be created easily offline or from CAD files. Machine enclosures and dust extraction systems are available to order.



1. Rubber covered product table
2. Vacuum port
3. X Axis Beam
4. Y axis side frames
5. Z axis
6. Cutting head

When the Operator presses the start button the product is held down onto the rubber covered table (1) by vacuum drawn through the single port (2). Vacuum is created by a high-volume fan mounted under the table. The X axis beam (3) traverses the two Y axis side frames (4). The Z axis (5) with cutting head (6) are mounted onto the X axis. The cutting blade mounted on the cutting head starts to rotate and the axes move the head around the product in accordance with the cutting program. When the cutting operation is complete the operator can enter the enclosure (not shown) and remove the product. All moving parts are carried on precision bearings. A dust extraction shroud (not shown) for the cutting blade can be specified as an optional extra.

MACHINE SPECIFICATION

ELEMENT	SPECIFICATION								
Machine Capabilities	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Maximum product size:</td> <td>2000 x 2000 x 550mm</td> </tr> <tr> <td>Minimum trim height:</td> <td>25mm</td> </tr> <tr> <td>Maximum trim height:</td> <td>200mm</td> </tr> <tr> <td>Cutting times:</td> <td> 30 seconds (standard shower tray) 35 seconds (standard rectangular) 45 seconds (standard corner bath) </td> </tr> </table>	Maximum product size:	2000 x 2000 x 550mm	Minimum trim height:	25mm	Maximum trim height:	200mm	Cutting times:	30 seconds (standard shower tray) 35 seconds (standard rectangular) 45 seconds (standard corner bath)
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Machine Construction	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Main frame:</td> <td>Rolled steel sections – BS EN 10025 material</td> </tr> <tr> <td>Casing:</td> <td>Sheet steel – BS EN 10025 material</td> </tr> <tr> <td>Paint finish:</td> <td>Textured powder coating</td> </tr> </table>	Main frame:	Rolled steel sections – BS EN 10025 material	Casing:	Sheet steel – BS EN 10025 material	Paint finish:	Textured powder coating		
Main frame:	Rolled steel sections – BS EN 10025 material								
Casing:	Sheet steel – BS EN 10025 material								
Paint finish:	Textured powder coating								
Cutting Head	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Blade:</td> <td>400mm diameter tungsten carbide</td> </tr> <tr> <td>Cutting speed:</td> <td>2820 rpm</td> </tr> <tr> <td>Cutting motor power:</td> <td>2.2 kW</td> </tr> <tr> <td>Maximum cutting speed:</td> <td>180mm/s</td> </tr> </table>	Blade:	400mm diameter tungsten carbide	Cutting speed:	2820 rpm	Cutting motor power:	2.2 kW	Maximum cutting speed:	180mm/s
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Cutting speed:	2820 rpm								
Cutting motor power:	2.2 kW								
Maximum cutting speed:	180mm/s								
Axis Movement	<p>Driven with AC brushless servo-motors using timing pulleys and belts.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">X & Y axes motor power:</td> <td>400 W</td> </tr> <tr> <td>Z axis motor power:</td> <td>250 W</td> </tr> </table>	X & Y axes motor power:	400 W	Z axis motor power:	250 W				
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Z axis motor power:	250 W								
Product Holding	Vacuum fan provides simple product holding.								

Control System	3 Axes CNC Control System. PLC controlled sequence. Simple programming.
Dust Extraction	Specified and supplied separately.
Enclosure	Modular unit with sliding door recommended. Specified and supplied separately.
Electricity	3 Phase supply + Neutral + Earth: 380/415V @ 50Hz Maximum power consumption: 5 kW
<i>example specification only - specification may be subject to change without notice</i>	

For further information contact

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