

# The PT 378 – Designed for the professionals

## Highlights



Graphic display with touch screen



workpiece holding for honing stones



workpiece holding for chucks

This gantry-type cut-off machine is ideal for rapidly and precisely cutting-off or indenting big workpieces in hard or abrasive materials. Typical applications are for instance the production of honing stones or chucks.

The modern CNC drives the 3 axis (X, Y and Z). As an option, we can add a 4th axis (divider, indexer) which gives additional possibilities. The operator-programmed CNC is simple and has a touch screen with graphical assistance.

It has servo drives for the axis movements, and the precision guides and roller-bearing spindles guarantee a high positioning precision. The ideal speed is set with a frequency variator. The grinding spindle with high-precision bearings gives a regular grinding.

An option allows disc wear compensation with a laser barrier. The machine stops automatically once the programmed minimum abrasive layer has been reached.

All mobile machine parts have an automatic central greasing.

The machine can be operated with cutting oil or emulsion. The coolant debit is controlled and the machine stops automatically in case of interruption. Immersion or jet coolant result in a high precision, an optimal surface condition and a long disc life.

The workpiece holding will be studied and developed according to your requirements resp. the dimensions of your workpieces.

## Technical Data

axis movements	X=850 mm Y=250 mm Z=120 mm	dimensions LxBxH	2450 x 1200 x 2220 mm
disc Ø	200 mm	weight	about 1400 kg
feed	from 0.01 until about 20 mm/sec		
electrical power	about 10 kW		

**Special machines on request!**

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***It always pays to cut-off faster!***

***Carbide, HSS, glass, ceramics, tungsten, carbon fibres, etc.***



***PT 378***

***An automatic gantry-type cut-off machine with 3 CNC axis for various applications***



- automatic cut-off operation with variable feeds and speeds
- operated in total immersion or with jet refrigeration = high precision, long disc life, no fine powder in the air and quick grinding
- big range of workpieces thanks to the 3 CNC axis
- free programming with graphical assistance
- coolant through valves with debitmeter
- work area protection with laser curtain