

KNIFE SHARPENING MACHINE

Designed and manufactured by

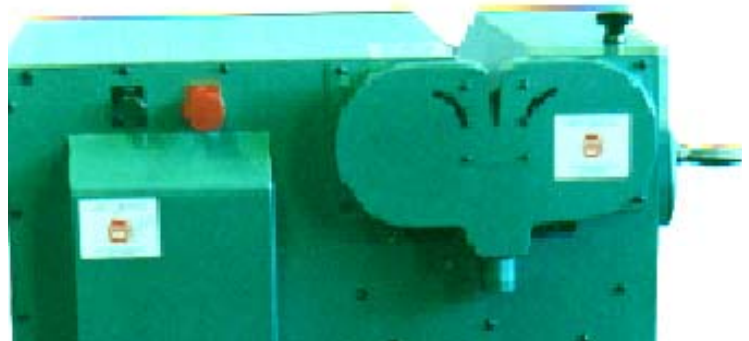
C A T R A

The World's only Knife Technology Organisation

Model M140

The double spiral interlock grinding wheel sharpening system is used in the machine, which is designed for sharpening in either the knife manufacturing plants or high volume re-sharpening units.

This system, coupled with the high tech abrasive Cubic Boron Nitride (CBN) gives the machine many advantages.



- Requires only semi-skilled labour with minimal training
- Consistent, but adjustable knife edge angle between 20° and 60°
- Optional "Gothic Arch" edge profile can be produced
- Use of CBN abrasive avoids the need for both a grinding and honing operation, eliminates need to redress the wheels
- Low heat generation, which does not need coolant, making a more comfortable operational environment
- Easy to maintain as the grinding wheels do not need redressing or regular adjustment
- Safe operation - grinding wheels do not break as they are of coated steel construction
- Higher grinding speeds means fast operation without edge burning
- Recoatable grinding wheels keep consumable costs low
- A range of abrasive grit sizes are available to suit different knife uses
- Low noise level

Available direct from the manufacturers or our Agents
CATRA Henry Street, Sheffield S3 7EQ Great Britain
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Model M140 Knife Sharpening Machine

In the knife re-sharpening environment, the equipment can easily be adjusted to provide a hollow grinding process for well used blades where the edge has become too thick.

Typical Performance Figures – (Knife Manufacture)

Knife Type	Edge Thickness	Pieces/Hour	Approximate Wheel Life between coatings	Approximate Consumable Grinding Wheel Re-coat Cost/blade
100 mm Parer	0.30 mm	160	35,000 pieces	1.3p
150 mm Utility	0.30 mm	95	25,000 pieces	1.6p
200 mm Cooks	0.35 mm	70	20,000 pieces	1.9p

NOTE: *Re-sharpening rates are twice the above pieces/hour.*

MACHINE SPECIFICATION: CATRA MODEL M140

Grinding wheel diameter - 140 mm
Grinding wheel width - 40 mm
Overall Size - 1200 x 650 x 400 mm
Weight - 110 Kg
Power - 0.75 kW

Voltage - 3 ph 380/440V optional single phase 220/240V
Noise Level - < 75 dBa



View with safety guard removed showing the sharpening wheels

