

# KNIFE SHARPENING MACHINE

*Designed and manufactured by*

**Model U200**

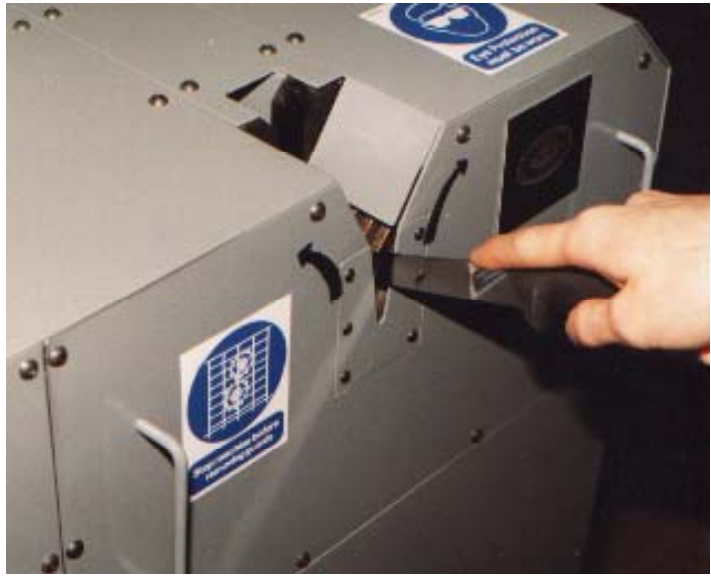
**C A T R A**

**Heavy  
Duty**

The World's only Knife Technology Organisation

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°
- Use of CBN abrasive avoids the need for both a grinding and honing operation
- 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, Low noise level
- Higher grinding speeds means fast operation without edge burning
- Recoatable grinding wheels keep costs low
- A range of abrasive grit sizes are available to suit different knife uses
- Dual operation allows both sharpening and hollow grinding on one 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)**

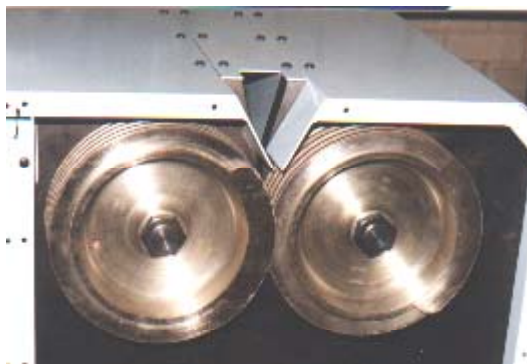
Knife Type	Edge Thickness	Pieces/Hour	Approximate Wheel Life between coatings	Approximate Consumable Grinding Wheel Re-coat Cost/blade
100 mm Parer	0.30 mm	240	40,000 pieces	1.2p
150 mm Utility	0.30 mm	180	30,000 pieces	1.5p
200 mm Cooks	0.35 mm	125	24,000 pieces	1.8p

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

**MACHINE SPECIFICATION: CATRA MODEL U200**

- Grinding wheel diameter - 200 mm
- Grinding wheel width - 65 mm
- Maximum practical blade size 850mm
- Overall Size - 1000 x 700 x 500 mm
- Weight - 250 Kg
- Power - 1.5 kW fan cooled
- Voltage - 3 ph 380/440V
- Noise Level - < 70 dBa

View with safety guard removed showing the sharpening wheels



Optional Oil coolant/ lubrication system available