

# VICEROY

## SHARPEDGE MACHINE TDS 12/16

The 'Viceroy' Carpenters Edge Tool Sharpening Machines are the result of many years study to meet the exacting requirements of both industrial and educational users of edge tools. This revolutionary method with its compact and clean operation using a manufactured stone in conjunction with a reciprocal master arm and special honing oil ensures the elimination of any inconsistency in the reproduction of accuracy, stone life, and the drawing of temper of edge tools. The 'Viceroy' Sharpedge Machines can be operated with the minimum of skill with little effort but great accuracy and saving of time.

### STANDARD EQUIPMENT

TDS 12/16 Integral Cabinet, Universal Master Arm, Grinding Wheel, Honing Oil, Pump & Fittings, Wheel Wrench, No-Volt Overload Push Button Starter, 3 or single phase Motor and Instruction Manual.

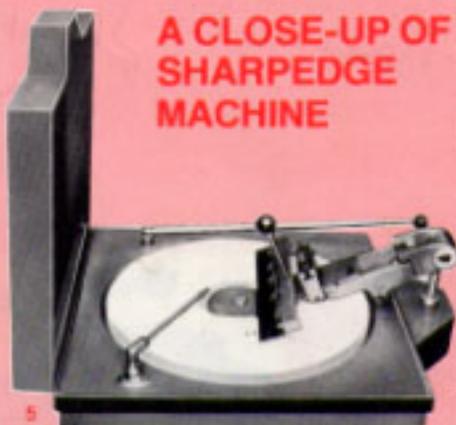
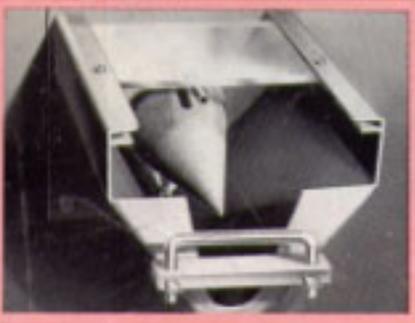


TDS 12/16  
PEDESTAL MODEL

# DENFORD

MACHINE TOOLS

# VICEROY SHARPEDGE MACHINE TDS 12/16



## A CLOSE-UP OF THE 'VICEROY' SHARPEDGE MACHINE

1. Machine Knife Sharpening attachment (254 mm-10" capacity) in position. (Extra)
2. Master Arm with Chisel in position. (Standard)
3. External Radius Gouge attachment in position. (Extra)
4. Conical wheel for internal radius gouge grinding with adjustable tool rest. (Extra)
5. Wheel Cover fitted to TDS 12/16 Model. (Extra)

**THE SPINDLE** is Steel running in 'Oilite' sintered sealed bearings, driven through a totally enclosed worm reduction unit direct from motor.

**THE MASTER ARM** is a precision machined unit fitted accurately into the table casting and can be pre-set to reproduce angles from 10°-30°. It is also designed to take fixtures for other edge tools, i.e. Gouges, Machine Knives, etc.

**THE STONES** are manufactured aloxite giving long and consistent life, supported top and bottom with accurately machined flanges which ensure rigidity when in use and have been specially developed for 'Viceroy' Sharpedge Machines.

**THE PUMP UNIT** housed inside cabinet is a cam operated diaphragm pump, driven from the motor spindle and is pre-set at works to give correct flow of special honing oil onto and through the stone and into the tank for continuous circulation whilst machine is running.

The integral cabinet of welded steel construction which houses the motor - pump unit - and honing oil container.

**VICEROY HONING OIL** has been specially developed to give maximum stone life, cooling and cleansing properties and also contains anti-bacteria additives.

### SPECIFICATION

	TDS 12/16
Overall Dimensions .....	560 x 560 x 864 mm 20" x 20" x 34"
Wheel Size .....	406 x 32 x 32 mm 16" x 1 1/4" x 1 1/4"
Wheel Grade Standard .....	A80
Wheel R.P.M. ....	110
Motor R.P.M. ....	1425
Motor H.P. ....	.186 kw
Spindle Diameter .....	32 mm 1 1/4"
Reduction Gear .....	28 mm 1 1/4"
Reduction Ratio .....	10-1
Main Bearings .....	Oilite
Cabinet (Fabricated) .....	3mm 12 swg
Machine Table .....	Fibre Glass
Plane Iron Capacity .....	76 mm 3"
Chisel .....	32 mm 1 1/4"
Master Arm Adjustment .....	25°
Honing Oil Tank Capacity .....	5 litres 1 gall.
Honing Oil Feed Pump Unit .....	Mechanical
Nett Weight .....	90.72 kg 200 lbs.
Gross Weight .....	127 kg 280 lbs.

We reserve the right to alter design and specification without notice.

**DENFORD** MACHINE TOOLS

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