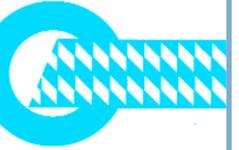


HUNGER



Hunger VD4E

Valve Seat Refacing Machine

for valve seats from 60 to 250 mm diameter



If you are looking for the ultimate combination of
ACCURACY, FINISH, SPEED & VERSATILITY

this is simply your machine.

Tested and approved by the leading engine manufacturers.



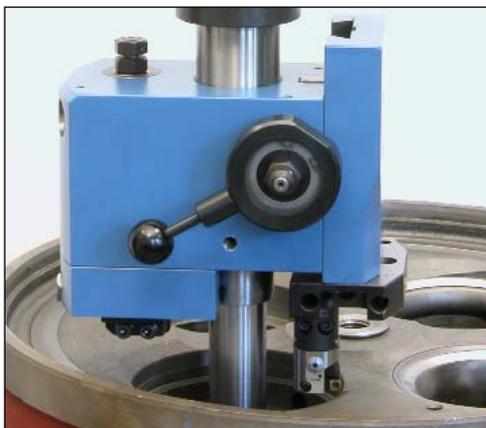
Valve seat refacing



Refacing flat surface



Refacing conical surface



Counterboring

Hunger VD4E

Valve Seat Refacing Machine

Working Principle:

The valve seat is refaced to the preset depth by the simultaneous application of both a rotary and a transverse feed motion to the carbide or CBN cutting insert.

This lathe-type refacing action eliminates the high and low spots normal to surface grinding or form cutting and provides a flawless concentric seating surface texture for a perfect valve seal.

Features:

The machine is fitted with two motors for a smooth cutting action.

The operating voltage supplied to the motors by a compact power supply unit is of the low voltage type to eliminate electric hazards.

The speed of the motors is infinitely variable so that the cutting speed can be adapted to the diameter and material of the seat.

An exchangeable adapter head with the built-in slideway for cutting tool travel ensures a precise seat angle eliminating faulty setting operations.

The adapter head is attached to the gear head by two bolts and, therefore, can be easily replaced.

Adapter heads are available for all usual seat angles as well as special adapter heads for resurfacing flat surfaces and for refacing the conical landing surfaces on valve cages.

Moreover, the seat refacing gear head of the VD4E can be replaced by a counterboring gear head to convert the VD4E to an ADM4E counterboring machine for machining the valve seat ring counterbores in cylinder heads for oversize seat ring installation.

Specifications:

Capacity:

Seat diam. range 60 - 250 mm

Angle range 0°-90°

Feed motions

Speed 120 - 250 rpm

Feed rate 0,05 mm/rev.

Dimensions:

Length 410mm

Width 125mm

Height 400mm

Electrical system:

Operating voltage max. 50 VDC

Supply voltage: 230V±10%

(1ph.50/60Hz) or 120V±10%

or 277V±10%

Power input 0,6kW

Weight:

Net weight approx. 17 kg

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