



Hunger VKM 3.1

Valve Grinding Machine

for valves up to 32 mm stem diameter



If you are looking for a
COMPACT MACHINE
for regrinding the valves of medium size engines
this is your first choice.

Featuring the unique Hunger combination
of SELF-CENTERING STEADYING and COLLET CHUCKING
to ensure the ultimate in valve refacing accuracy.
Tested and approved by leading engine manufacturers.

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Valve Grinding Machine



Control panel



Grinding Spindle



Workhead and Steady Rest

Features:

Machine Base:

Heavily ribbed cast iron structure with integrated dove tailed slideway for the workhead and steady rest.

The machine base houses an industrial type flood pump for delivering coolant to the grinding site and a baffled drawer type coolant reservoir which can be drawn out for ease of cleaning.

The machine base houses also the control panel for the motors.

Grinding Spindle:

The permanently sealed and lubricated grinding spindle slides on a swivel plate which is provided with an integrated dove tailed slideway.

The swivel plate is set to the desired valve angle by means of a wide spaced scale.

Workhead and Steady Rest:

Monobloc work spindle with permanently sealed and lubricated work spindle bearings. Work spindle fitted with collet chuck for use of high precision collets.

A micrometer infeed unit is combined with the workhead to feed the face of the valve clamped in the collet to the grinding wheel. An unique selfcentering steady rest is provided for additional support of long stem valves.

Both the workhead and the steady rest are adjustable along the slideway on the machine base to clamp the valve on that part of the valve stem which normally travels in the valve guide.

Specifications:

Capacity:

Stem diam.	9,5 - 32 mm
Max. face diam	200 mm
Seat angle	18°-47°

Grinding spindle

Wheel diam.	175 mm
Speed at 50 Hz	2790 rpm

Work spindle

Speed at 50Hz	25 rpm
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Electrical system:

Supply voltages:	400±10% V
(3ph.50/60Hz)	230±10% V
Rated current	2/3,5 A

Dimensions & Weight:

Width	800 mm
Depth	550 mm
Height	500 mm
Net weight	approx. 95 kg

Ludwig Hunger GmbH

Graefelfinger Str. 146
81375 Munich/Germany

Phone: +49 89 7091-0
Fax: +49 89 7091-26

info@ludwig-hunger.de
www.ludwig-hunger.de