

# VRL

## VALVE SEAT AND RECESS LATHE

A combined machine for in-situ machining of valve seats and seat recesses medium speed diesel engines.

- Valve seat recess machining  
Range: 74 - 200 mm seat recess diameter  
Length: vertical 60 mm  
horizontal 17 mm
- Valve seat angle machining  
Range: 55 - 230 mm seat diameter  
Length: 30 mm  
Angles: 0 - 50°
- Compact machine fits most cylinder heads
- Dowel locked to achieve correct angle
- Electrically driven

# VRL VALVE SEAT AND RECESS LATHE

- ELECTRIC POWER SUPPLY 1-PHASE 180 - 252 V, 48 - 62 Hz
- POWER REQUIRED 0.37 kW
- MAX DIMENSIONS H: MACHINE 472 mm + SPINDLE 185 - 1100 mm, W: 250 x 192 mm

## VALVE SEAT RECESS MACHINING

- MACHINE RANGE 74 - 200 mm SEAT RECESS DIAMETER
- MACHINING LENGTH VERTICAL 60 mm, HORIZONTAL 17 mm

## VALVE SEAT ANGLE MACHINING

- MACHINING RANGE 55 - 230 mm VALVE SEAT DIAMETER
- MACHINING LENGTH 30 mm



### Multi-position adjustable tool holder

Seat recesses can be machined both horizontally and vertically with utmost precision. Digital gauge display for convenient operation.



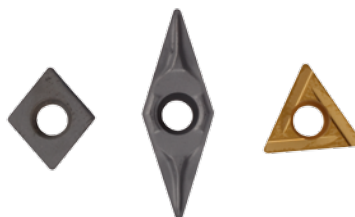
### Valve seat machining

Easy replacement of adaptor for valve seat machining.



### Unique two-part spindle

Special split spindle provides for excellent accessibility and automatic centering without further adjustments.



### High performance cutting bits

A range of carefully selected tool holders and cutting bits is available to fit various recess designs.

## Chris-Marine® Head Office and Subsidiaries

### SWEDEN

Chris-Marine AB  
Stenyxegatan 3  
PO Box 9025  
SE-200 39 Malmö  
Tel: +46 - 40 671 2600  
Fax: +46 - 40 671 2699  
info@chris-marine.com

### DENMARK

IOP Marine A/S  
Engager 7  
DK-2605 Brøndby  
Tel: +45 - 4498 3833  
Fax: +45 - 4498 1125  
contact@iopmarine.dk

### SINGAPORE

Chris-Marine (S) Pte. Ltd.  
46 Lokyang Way, Jurong  
Singapore 628646  
Tel: +65 - 6268 8611  
Fax: +65 - 6264 3932  
chris@chris-marine.com.sg

### GREECE

CM Hellas Ltd.  
16, Dodekanisou Str. (1st floor)  
GR-18541 Piraeus  
Tel: +30 - 210 4826 060  
Fax: +30 - 210 4839 323  
costas.sohoritis@chris-marine.com

### P.R. OF CHINA

Chris-Marine Rep Office Shanghai  
Rm. 6321, West Building,  
Jin Jiang Hotel,  
59 Mao Ming Road (S)  
Shanghai 200020  
Tel: +86 - 21 5465 3756  
Fax: +86 - 21 6415 2081  
lanny.chen@chris-marine.com

### RUSSIA

Chris-Marine Rep Office  
St. Petersburg  
Office B44,  
Malaya Konyushennaya Str. 1/3  
St. Petersburg, 191186  
Tel: +7 - 911 908 5482  
Fax: +7 - 812 3292 597  
andrey.egerev@chris-marine.com

### INDIA

Chris-Marine Rep Office India  
Plot No. 1/1, Vikas Apartment  
Trimurty Nagar, Ring Road  
Nagpur-440022, Maharashtra  
Tel: +91 - 712 224 2719  
sunil.vaidya@chris-marine.com