Grinding & Machining for cylinder liners

Wear Edge Milling Machine

CHRIS-MARINE®

VKS

Portable machine for safe removal of wear edges in cylinder liners.

Four models available:
VKS, VKS-A, VKS-P & VKS-AP



Product features

- For liners with diameter from 280 to 980 mm
- Safe and complete removal of a wear edge within less than 15 min
- Pneumatically driven
- Down to 250 mm diameter depending on engine type
- Easily adjustable for different wear edge positions
- Workshop and onboard versions available
- **VKS:** delivered with pre-set arm length (one diameter only) from 280 to 980 mm, according to customer specification.
- **VKS-A:** delivered with 4 sets of adjustable arms to fit all liners with diameter between 320 and 980 mm.

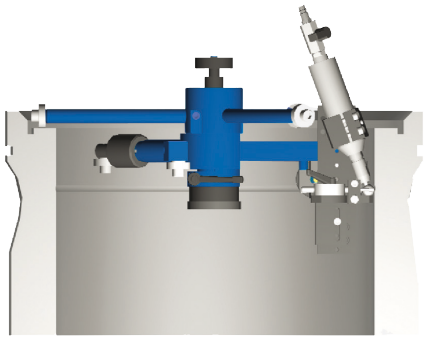
NEW!

- **VKS-P:** specifically designed for use in restricted areas where hot work is not allowed. It is equipped with a slowly rotating air motor and a specially designed milling cutter. VKS-P is just like VKS delivered with pre-set arm length (one diameter only) , according to customer specification.
  A type examination certificate from Det Norske Veritas is included.
- **VKS-AP**: like VKS-A but with the advantage that it can be used in resticted areas where hot work is not allowed.
- **Upgrade kit available for VKS and VKS-A users.**

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Watch video





Easy to use

The milling head is easy to adjust to the exact position of the wear edge.



Robust compact design

Positioning device with dial gauge easily available for correct setting.

Accurate

Wheel-mounted design with both vertical and horizontal guiding at liner top end, prevents accidental damage of liners, often occuring with manual grinding methods.

Upgrade kit

VKS and VKS-A users can easily upgrade their machines to VKS-P and VKS-AP in order to be able to use them in restricted areas where hot work is not allowed.

Technical specifications				
	VKS	**VKS-A**	**VKS-P**	**VKS-AP**
• Engine sizes	280-980 mm cylinder diameter (down to 250 mm depending on engine type)	320-980 mm cylinder diameter	280-980 mm cylinder diameter (down to 250 mm depending on engine type)	320-980 mm cylinder diameter
• Description (machine arms)	Pre-set arm length, for one cylinder diameter only	Adjustable arm length, for all cylinder diameters according to the above	Pre-set arm length, for one cylinder diameter only	Adjustable arm length, for all cylinder diameters according to the above
• Groove position from top of liner	Any level between 0 and 150 mm	Any level between 0 and 150 mm	Any level between 0 and 150 mm	Any level between 0 and 150 mm
• Weight	16-20 kg	16-20 kg	17-21 kg	17-21 kg
• Dimensions (Ø x H)	1100 x 450 mm	1100 x 450 mm	1100 x 450 mm	1100 x 450 mm
• Air pressure	6-9 bar (0.6-0.9 MPa/85-130 psi)	6-9 bar (0.6-0.9 MPa/85-130) psi)	6-9 bar (0.6-0.9 MPa/85-130 psi)	6-9 bar (0.6-0.9 MPa/85-130 psi)
• Air hose connection	10 mm (3/8")	10 mm (3/8")	10 mm (3/8")	10 mm (3/8")
• Air consumption	500 l/min	500 l/min	300 l/min	300 l/min
• Milling motor speed	20 000 rpm	20 000 rpm	3 000 rpm	3 000 rpm
• Rotating speed	Manual	Manual	Manual	Manual
• Noise level	93 dBA	93 dBA	89 dBA	89 dBA

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