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PORTABLE MACHINE TOOLS

CATALOGUE

Nuova Simat S.r.l.

Via Spagna, 32-34 | Polo Industriale di Guasticce, 57017, Collesalveti (LI)
ph. +39 0586 983108 | www.nuovasimat.com | info@nuovasimat.com

PORTABLE MACHINE TOOLS

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FLANGE FACERS

INTERNAL MOUNT FLANGE FACERS



Availability

On Site Service | Sales | Rental

Overview

Flange facing machines can be used for a wide range of machining projects: raised face flanges, RTJ grooves, heat exchangers flanges, weld preps, etc. Choose from a variety of external and internal mount options, each offering easy setup and consistent finish results.

Mount range

1" – 120"

MM 860E

Specifications	MM 860i		MM 1000i		MM 1500i	
	Metric	Imperial	Metric	Imperial	Metric	Imperial
Minimum Facing Diameter	153mm	6"	153mm	6"	305mm	12"
Maximum Facing Diameter (With supplied tooling)	864mm	34"	1000mm	40"	1500mm	60"
Clamping Range	142-813mm	5.6-32"	142-813mm	5.6-32"	290-1400mm	11.4-55"
Tool Post Stroke (Down feed)	100mm	4"	100mm	4"	100mm	4"
RPM (Max)	28		24		20	
Standard Drive Type	Air (Hydraulic available)		Air		Air	
Feed Settings	6		6		6	
Output	1.6kw	2.1hp	1.6kw	2.1hp	3kw	4hp
Air Supply Required	67c.f.m	1.93 m3/m	67c.f.m	1.9 m3/	102c.f.m	2.89 m3/

Facing Feeds Direction	Gear	Grooves/Inch	Gear	Grooves/Inch	Gear	Grooves/Inch
Out	1	154	1	183	1	195
Out	2	98	2	117	2	125
Out	3	40	3	48	3	51
In	1	183	1	154	1	164
In	2	117	2	98	2	105
In	3	48	3	40	3	43



Machine weight

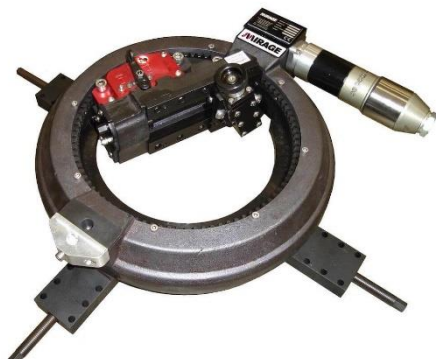
Machine weight (excl base)	53kg	117lbs	155 kgs	342 lbs	155 kg	342 lbs
Max assembly Max weight	46kg	102lbs	67 kgs	148 lbs	67 kg	148 lbs

Shipping Weights and dimensions

1 Box - Weight	196Kg (432lb)	208 Kg (459lb)	500kg (1102lbs)
Shipping Dimensions	L - 85cm - (34") W - 60cm (24") H - 75cm (30")	L - 86cm - (33.9") W - 57cm (22.4") H - 72cm (28.3")	L - 122cm - (48") W - 62cm (24.4") H - 82cm (32.3")



EXTERNAL MOUNT FLANGE FACERS



Availability

On Site Service | Sales | Rental

Overview

Flange facing machines can be used for a wide range of machining projects: raised face flanges, RTJ grooves, heat exchangers flanges, weld preps, etc. Choose from a variety of external and internal mount options, each offering easy setup and consistent finish results.

Mount range

0" – 24"

Specifications	MM 300e		MM600e	
	Metric	Imperial	Metric	Imperial
Minimum Facing Diameter	0mm	0"	0mm	0"
Maximum Facing Diameter (With supplied tooling)	305mm	12"	610mm	24"
Clamping Range	50 ÷ 305mm	2 ÷ 12"	310 ÷ 610mm	12.1¼ ÷ 24"
Tool Post Stroke (Down feed)	40mm	1.57"	102mm	4"
RPM (Max)	33		18	
Standard Drive Type	Air		Air	
Feed Settings	2	(in & out)	2	Coarse + Fine
Output	0.8kw	1.1hp	3kw	4hp
Air Supply Required @90psi	50c.f.m	1.42 m³/min	50c.f.m	1.42m³/m

Facing feed rates	Grooves/inch: Fine		Grooves/inch: Coarse	
0.75mm pitch feed screw (supplied)	195		49.8	
1.0mm pitch feed screw (supplied)	168		40	
1.25mm pitch feed screw (optional)	179		45	93
1.75mm pitch feed screw (optional)	85		20	46
1.75mm feed screw 2 start RH thread (optional)	41		10	130
				65

Machine weight

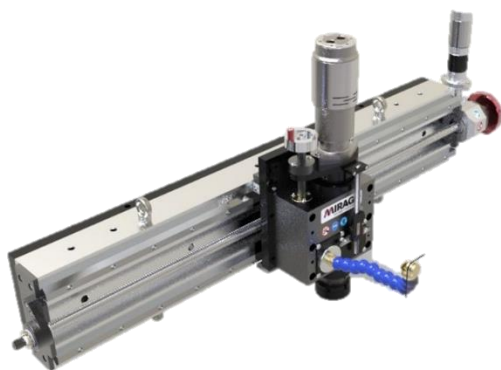
Machine weight	43kg	95lbs	143 kgs	315 lbs
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Shipping weights & dimensions

1 Box - Weight	91kg	201lb	193kg (426lb)	193Kg (426lb)
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LINEAR MILLING MACHINES



Availability

On Site Service | Sales | Rental

Overview

MR milling rails are incredibly versatile. These precise and robust milling machines are available in 2 and 3 axis configurations, with strokes up to 3000mm (120"). Availability of models in CNC version and modular gantry frames to extend the machining range up to 10m.

Working range

0 – 3000mm (over size available)

2 AXIS

Specifications	MODELS				
	MR500	MR1000	MR1500	MR2000	MR3000
Max Stroke (X main axis)	550mm (21")	1000mm (40")	1500mm (60")	2000mm(78.7")	3000mm (118")
Max cutter diameter	200mm (8")	200mm (8")	200mm (8")	200mm (8")	200mm (8")
Hand Feed	10mm/rev (0.394"/rev)	10mm/rev (0.394"/rev)	10mm/rev (0.394"/rev)	10mm/rev (0.394"/rev)	10mm/rev (0.394"/rev)
Auto Feed	0 -83mm/min 0 -3.25"/min	0 -83mm/min 0 -3.25"/min	0 -83mm/min 0 -3.25"/min	0 -83mm/min 0 -3.25"/min	0 -83mm/min 0 -3.25"/min
Spindle Type	ISO 40	ISO 40	ISO 40	ISO 40	ISO 40
Spindle R.P.M Min-Max	50 -640	50 -640	50 -640	50 -640	50 -640
Max spindle down feed	80mm (3.14")	80mm (3.14")	80mm (3.14")	80mm (3.14")	80mm (3.14")
Spindle Motor (Hydraulic)	5.0 Hp (3.7 kw)	5.0 Hp (3.7 kw)	5.0 Hp (3.7 kw)	5.0 Hp (3.7 kw)	5.0 Hp (3.7 kw)
Spindle Motor (Pneumatic @ 90psi)	4.0 Hp (3.0 Kw)	4.0 Hp (3.0 Kw)	4.0 Hp (3.0 Kw)	4.0 Hp (3.0 Kw)	4.0 Hp (3.0 Kw)
Feed Motor (Hydraulic)	2.2 Hp (1.64 Kw)	2.2 Hp (1.64 Kw)	2.2 Hp (1.64 Kw)	2.2 Hp (1.64 Kw)	2.2 Hp (1.64 Kw)
Feed Motor (Pneumatic @ 90psi)	1.5 Hp (1.11 Kw)	1.5 Hp (1.11 Kw)	1.5 Hp (1.11 Kw)	1.5 Hp (1.11 Kw)	1.5 Hp (1.11 Kw)
Pneumatic Air consumption	98 scfm (2.69 m3/m)	98 scfm (2.69 m3/m)	98 scfm (2.69 m3/m)	98 scfm (2.69 m3/m)	98 scfm (2.69 m3/m)
Hydraulic Supply	70L/min (18gal/min)	70L/min (18gal/min)	70L/min (18gal/min)	70L/min (18gal/min)	70L/min (18gal/min)

2 AXIS | LIGHT WEIGHT

Specifications	MODELS		
	LMR1000	LMR1500	LMR2000
Max stroke (X main axis)	1015mm (40")	1515mm (60")	2015mm (80")
Down Feed Axis Stroke	95mm (3.74")	95mm (3.74")	95mm (3.74")
Max Cutter diameter	25mm (0.984")	25mm (0.984")	25mm (0.984")



ER40 Collet Spindle			
Max Cutter diameter Optional ISO Collet Spindle	80mm (315")	80mm (315")	80mm (315")
Hand Feed	5mm (0.197") per rev	5mm (0.197") per rev	5mm (0.197") per rev

HYDRAULIC DRIVE	LMR1000	LMR1500	LMR2000
Auto Feed Rate Hydraulic (optional)	105mm (4.13") per min	105mm (4.13") per min	105mm (4.13") per min
Max Spindle RPM (Hydraulic)	630	630	630
Spindle Hydraulic Supply Required	50L/min (13.21 gal/min)	50L/min (13.21 gal/min)	50L/min (13.21 gal/min)
Auto Feed Hydraulic Supply	20L/min (5.28 Gal/min)	20L/min (5.28 Gal/min)	20L/min (5.28 Gal/min)
Hydraulic Milling Head Power	3.73kw (5hp)	3.73kw (5hp)	3.73kw (5hp)

PNEUMATIC DRIVE	LMR1000	LMR1500	LMR2000
Auto Feed Rate Hydraulic (optional)	26.5mm (1.04") per min	26.5mm (1.04") per min	26.5mm (1.04") per min
Max Spindle RPM (Pneumatic)	655	655	655
Spindle Pneumatic Supply Required	1800 L/min (63.6 cfm)	1800 L/min (63.6 cfm)	1800 L/min (63.6 cfm)
Auto Feed Pneumatic Supply	2000L/min (70.6cfm)	2000L/min (70.6cfm)	2000L/min (70.6cfm)
Pneumatic Milling Head Power	1.7kw (2.27hp)	1.7kw (2.27hp)	1.7kw (2.27hp)

3 AXIS | MILLING MACHINES

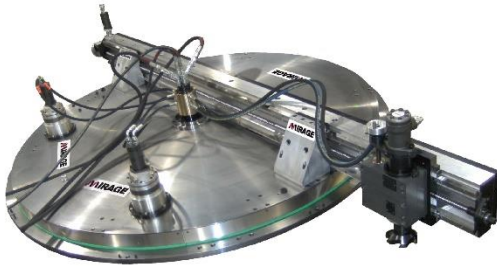
Specifications	AVAILABLE MODELS		
	MRY1500	MRY2000	MRY3000
Max stroke (main axis)	1500mm (60")	2000mm (80")	3000mm (120")
Max stroke (cross axis)	305mm (12")	305mm (12")	305mm (12")
Max cutter diameter (with adaptation at extra cost)	200mm (8")	200mm (8")	200mm (8")
Hand Feed	10mm / rev (0.394 / rev)	10mm / rev (0.394 / rev)	10mm / rev (0.394 / rev)
Auto Feed motor supply	0 -83mm (0 -3.250")	0 -83mm (0 -3.250")	0 -83mm (0 -3.250")
Spindle R.P.M Min/Max (Standard Supply)	50 -640	50 -640	50 -640
Z Axis Quill Travel	80mm (3.14")	80mm (3.14")	80mm (3.14")
Spindle Motor (Hydraulic)	5.0Hp (3.7Kw)	5.0Hp (3.7Kw)	5.0Hp (3.7Kw)
Spindle Motor (Pneumatic @90psi)	4.0Hp(3.0 kw)	4.0Hp(3.0 kw)	4.0Hp(3.0 kw)
Feed Motor (Hydraulic)	2.2 Hp(1.64 kw)	2.2 Hp(1.64 kw)	2.2 Hp(1.64 kw)
Feed Motor (Pneumatic @90psi)	1.5Hp (1.11 kw)	1.5Hp (1.11 kw)	1.5Hp (1.11 kw)
Pneumatic Airconsumption / supply needed	98 scfm(2.69 m3/m)	98 scfm(2.69 m3/m)	98 scfm(2.69 m3/m)



Hydraulic Supply needed	70 L/min(18 gal/min)	70 L/min(18 gal/min)	70 L/min(18 gal/min)
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ORBITAL MILLING MACHINES



Availability

On Site Service | Sales | Rental

Overview

Orbital milling machines are designed to deliver fast material removal and achieve high accuracy across large flange diameters. The WP orbital milling range is designed especially for companies manufacturing wind turbine rotor blades and towers.

Mount range

60" - 315"

WP SERIES

Machine Name

WP2500-H	Min Blade PCD - 1836mm	Max Blade PCD - 2436mm	Weight - 1678.5 kgs
WP3500-H	Min Blade PCD - 2300mm	Max Blade PCD - 3200mm	Weight - 1668.7 kgs
WP4500-H	Min Blade PCD - 2800mm	Max Blade PCD - 4700mm	Weight - 3610 kgs

DRIVE

Rotational Drive	Hydraulic
Milling Spindle	Hydraulic
Typical Cutting Speed (0.7mm depth of cut)	150 - 200mm/minute
Max Traverse Speed	300mm/min
Typical Spindle R.P.M	350mm
Flatness Tolerance	Achieves current industry flatness for root diameters of +/-0.15mm (Flatness requirements can fluctuate relative to the root diameter).
Spindle Travel	80mm (3,15")

Minimum Hydraulic Supply required @ 100 bar (1450 p.s.i)



OM SERIES

Specifications	OM4500	OM6000	OM8000
Maximum Machining Diameter	4572mm (180")	6000mm (236")	8000mm (315")
Min Clamping and Machining Diameter	2438mm (96")	2600mm (102")	3500mm (138")
Flatness Tolerance	0.05mm/1m Dia 0.002 / 40" Dia	0.05mm/1m Dia 0.002 / 40" Dia	0.05mm/1m Dia 0.002 / 40" Dia
Rotational Drive Power	3.7kw (5hp)	7.4kw (10hp)	7.4kw (10hp)
Milling Spindle Power	3.7kw (5hp)	3.7kw (5hp)	3.7kw (5hp)
Surface Cutting Speed (at max diameter)	0-1m/min 0-3.5ft/min	0-1m/min 0-3.5ft/min	0-1m/min 0-3.5ft/min
Standard Cutting Speed (125mm face)	400mm/min	400mm/min	400mm/min
Min/Max Rotation	0-3	0-3	0-3
Spindle RPM Min-Max	25-265	25-265	25-265
Spindle Down Feed	80mm (3.125")	80mm (3.125")	80mm (3.125")
Hydraulic Supply Required	60L/min (16 gal/min)	60L/min (16 gal/min)	60L/min (16 gal/min)



LATHES



Availability

On Site Service | Sales | Rental

Overview

This is the TD portable lathe machine for on-site machining of valves, cylinders, pumps, turbine housings, flanges etc. Particularly suitable for turning cylindrical and conical sealing surfaces in high-pressure valves and for the removal of welded-in valve seats.

NC Versions

Available.

Machining range

0-800mm

Max working depth

600mm

TD SERIES

Specifics	TD-03	TD-1.02	TD-2.02	TD-3.02
Turning range (mm)	up to $\varnothing$ 150	up to $\varnothing$ 400	Up to $\varnothing$ 800	$\varnothing$ 400-1250
Working depth (mm)	max. 250	max. 350	max. 600	max. 1000
Radial stroke (mm)	20	40	60	130
Axial stroke (mm)	100	120	250	600
Overall height (mm)	660	950	1150	1800
Clamping diameter (mm)	$\varnothing$ 80-300	$\varnothing$ 330-750	$\varnothing$ 400-1100	$\varnothing$ 780-1780
Drive	Electric 230/110 V, 50/60 Hz		Pneumatic 6-7 bar	

TD-NC SERIES

Specifics	TD-1.02NC	TD-2.02NC
Machining $\varnothing$ mm (inches)	0-400 (0-15.7")	0-800 (0-31.5")
Installation $\varnothing$ mm (inches)	350-750 (13.8"-29.5")	400-1100 (15.8"-43.3")
Working Depths mm (inches)	450 (17.7") (Standard)	600 (23.6") (Standard)
Axial stroke mm (inches)	200 (7.9")	250 (7.9")
Radial Stroke mm (inches)	40 (1.6")	60 (1.6")



GRINDING AND LAPPING TOOLS

VALVA | FLAT SEATS RESTORING



Availability

On Site Service | Sales | Rental

Overview

Portable machine for grinding and lapping of flat sealing surfaces on valves and flanges from DN 8-1600mm (1/4"-64"). The VALVA series is an impressive concept: simple, easy, one-man operation, wear-resistant tools, high performance and efficiency.

Available Drives

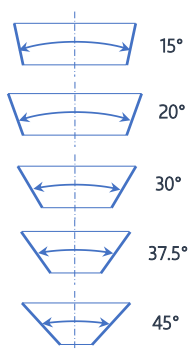
Electric 230/120 V, 50/60Hz or Pneumatic 6-7 bar.

Availability of several accessories and consumables.

Specifications	VALVA SERIES MODEL						
	S1	SV1	1	S15	15	2	3
Nominal bore DN (mm)	8-150 1/4"-6"	8-150 3/4"-6"	8-150 1/4"-6"	80-300 3"-12"	80-300 3"-12"	200-700 8"-28"	500-1600 20"-63"
Standard immersion depth (mm)	250 10"	250 10"	250 10"	500 20"	500 20"	800 (1200) 32" (48")	1500 60"
Overall machine length (mm)	450 18"	450 18"	550 22"	750 30"	750 30"	~1550 ~62"	~2600 ~104"
Grinding	X	X	X	X	X	X	X
Lapping			X		X	X	X
Drive	electric 230/120 V, 50/60Hz / rechargeable battery / pneumatic 6-7 bar						
Tools							
Smooth grinding plates	X	X	X				
Smooth lapping plates			X				
Smooth grinding plates with roller guide	X	X	X	X			
Planetary gear					X	X	X
Clamping							
Machine stand			X				
Manual	X	X	X	X			
3-point clamping						X	X



VSK | CONIC SEATS RESTORING



Availability

On Site Service | Sales | Rental

Overview

Portable machine for the grinding of conical sealing surfaces in High-pressure, shut-off, control and globe valves of DN 8-300 mm (1/4"-12").

It is possible to use this machine regardless of width and hardness of the sealing surface to be worked, installation position of the valve (horizontal, vertical) and the type of fitting. Due to its low weight, it is easy to handle and fast to set up.

Working parameters

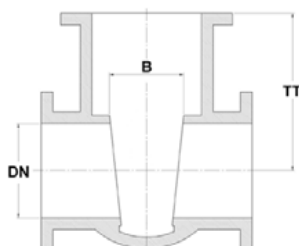
Standard seat angles of 30° (2x15°), 40° (2x20°), 60° (2x30°), 75° (2x37,5°), 90° (2x45°) (other angles and dimensions on request).

Availability of several accessories and consumables.

Specifications	VSK SERIES MODELS						
	VSK-1	VSK-2	VSK-3	VSK-4	VSK-5	VSK 8-150	VSK 8-300
Nominal bore (mm)	8-50	8-65	8-100	80-150	80-300	8-150	8-300
Drive	Electric 230/120 V, 50/60 Hz - Pneumatic 6-7 bar						
Standard seat angle	30° (2x15°), 40° (2x20°), 60° (2x30°), 75 (2x37,5), 90° (2x45°) Other angles on request						



SL | GATE VALVES



Availability

On Site Service | Sales | Rental

Overview

Portable machines for grinding and lapping of sealing surfaces in gate valves and non-return valves, wedges and flanges of DN 20-2000mm (3/4" – 64") up to 2200mm (86,6") working depth. Optionally, these machines can be fitted with a digital rocker for the exact reproduction of the set contact pressure. In addition, our machines can be fitted with a swing-check adapter to enable the machining of sealing surfaces in non-return valves with a large inclination.

Availability of several accessories and consumables.

	SL SERIES MODELS				
	SL-05	SL-1	SL-15	SL-2	SL-3
Specifications					
Working range DN (mm)					
Standard	20-65 (3/4"-2 1/2")	32-150 (1 1/4"-6")	40-300 (1 1/2"-12")	200-700 (8"-28")	20-65 (3/4"-2 1/2")
Special up to	80 (3")	200 (8")	450 (18")	900 (36")	2000 (80")
Immersion depth TT (mm)					
Standard	250 (9.8")	400 (15.7")	600 (23.6")	1000 (39.4")	1200 (48.2")
Special up to	400 (15.7")	600 (23.6")	1200 (47.2")	1600 (62.9")	2200 (86.6")
Min. Spacing B (mm)					
	15 (0.59")	28 (1.1")	41 (1.6")	69 (2.7")	102 (4")
Drive					
	Electric 230/110 V, 50/60Hz – Pneumatic 6-7 bar				



HSL | HIGH-SPEED GRINDING AND LAPPING



Availability

On Site Service | Sales | Rental

Overview

Portable machine for high-speed grinding of hard sealing surfaces ($\geq 35\text{HRC}$) in high-pressure gate valves and wedges of various design. Fitted with SLA series planetary gears for use with driven GSS grinding spindles. Time saving up to 90%!

Available as option for retrofitting to existing SL machines. Drive: electric or pneumatic. Availability of several accessories and consumables.

Machining range

DN 175–600mm (7"–24")

Type	SLA-15*	SLA-2**
AS-1	DN 125-175 (5"-7") (Option)	
AS-2	DN 175-225 (7"-9")	DN 200-225 (8"-9") (Option)
AS-3	DN 225-400 (9"-16")	DN 225-400 (9"-16")
AS-4	DN 400-600 (16"-24")	

Dimensions in mm (inch)

* for SL-15 machines ** for SL-2 machines



TSV | ECCENTRIC GRINDING AND LAPPING



Availability

On Site Service | Sales | Rental

Overview

Portable grinding and lapping machine with eccentricity for the machining of sealing surfaces in safety valves. In these machines the grinding movement is overlaid by an additional eccentric movement. This results in an absolutely flat sealing surface. Suitable for use on-site and in the workshop.

Working range

DN 15-300mm (½"-12")

Model	TSV-150	TSV-300
DN range	15-150 (½"-6")	25-300 (1"-12")
Max. immersion depth	350 (14")	350 (14")
Clamping range of chuck	85-450 (3.4"-17.7")	85-450 (3.4"-17.7")
Max. spindle speed	560 rpm	475 (690*) rpm
Max. eccentric speed	255 rpm	310 (450*) rpm
Eccentricity	3 (0.12")	3 (0.12")
Drive	pneumatic 6-7 bar	230/120V, 50/60 Hz or pneumatic 6-7 bar*

Dimensions in mm (inches)



VSA | HIGH-SPEED PRECISION GRINDING AND LAPPING



Availability

On Site Service | Sales | Rental

Overview

High-speed precision grinding machine for the machining of build-up welding, sealing surfaces, conical surfaces and bores in valves, cylinders, pump housings and flanges of

Working Range

DN 20-1500mm ($\frac{3}{4}$ "-59").

Type	Working range	Immersion depth
VSA-05	DN 20-150 ($\frac{3}{4}$ "-6")	250 (9.8")
VSA-1	DN 50-400 (2"-16")	650 (25.6")
VSA-2	DN 250-800 (10"-32")	1000 (39.4")
VSA-3	DN 500-1500 (20"-59")	1500 (59")



ORBITAL WELDER



Availability

On Site Service | Sales | Rental

Overview

High-speed precision grinding machine for the machining of build-up welding, sealing surfaces, conical surfaces and bores in valves, cylinders, pump housings and flanges of

Working Range

DN 20-1500mm ($\frac{3}{4}$ "-59").

STATIONARY MACHINING

ROTAGO | BALL VALVES SIMULTANEOUS LAPPING



Availability

On Site Service | Sales | Rental

Overview

Stationary ball lapping machine, especially suitable for finishing the ball and metallic sealing seats of a ball valve so they fit together perfectly.

Working Range

DN 32-200mm (1-1/4" - 8")



KS | WEDGES LAPPING



Availability

On Site Service | Sales | Rental

Overview

Grinding table for face grinding wedges, valve disks and other machine components.

Working Range

DN 1000mm (39,4")

FLM | SURFACES LAPPING



Availability

On Site Service | Sales | Rental

Overview

Stationary surface lapping machines, particularly suitable for the lapping of valve disks, axial face seals and wedges etc.

Working Range

DN 1515mm (59,6")



SM | SEALING SURFACES LAPPING



Availability

On Site Service | Sales | Rental

Overview

Stationary grinding and lapping machine for the machining of sealing surfaces in shut-off valves, wedges, safety valves, etc. The machine can be supplied optionally with one or two tables in various configurations.

Working range

Max valve diameter: 900mm (36")

Max valve height: 830mm (33")

MK / ENT



Availability

On Site Service | Sales | Rental

Overview

MK-Adapter makes it possible to use the tools of the VALVA and SL series for stationary machining of sealing surfaces. We recommend the appropriate inclined tables off the ENT series (from 0° to 12°) for fast alignment of valve housings and wedges.

Working range

Max valve diameter: 900mm (36")

Max valve height: 830mm (33")



TAPPING AND DRILLING



Availability

On Site Service | Sales | Rental

Overview

Our heavy-duty drilling and tapping machines offer high torque and easy operation through their heavy-duty spindles with ISO standard tapers. Optional switch magnet mounts and chain clamps are also available for a quick and easy setup. For large scale offshore decommissioning projects,

we may provide an effective solution for creating lift holes into casings.

HT drilling series

Ø range 0-152,4mm (0-6"), max stroke 610mm (24")

T tapping series

Ø max 190mm (7,5"), max stroke 330mm (13")

Casing double pin drill DD

Ø max 305mm (12"), max stroke 400mm (16")

HOT TAPPING



Availability

On Site Service | Sales | Rental

Overview

Hot tapping is an on-site intervention that allows you to modify (tapping) a piping system without stopping the flow inside the pipe.

Models Available

Manual hot tapping tools (HTM series)
Low pressure hot tapping (LPHT series)
Medium pressure hot tapping (MHT series)
High pressure hot tapping (CHT series)

Machine range	Tapping diameters (min-max)	Max Stroke	Max Operating pressure	Drive Power Options	
				Pneumatic	Hydraulic
HTM	½ - 6"	18 - 32"	1480 psi		
LPHT	3 - 12"	30"	285 psi	*	*
MHT	3 - 60"	42 - 180"	1480 psi	*	*
CHT	2 - 48"	32 - 150"	5000 psi	*	*



LINE STOPPING



Availability

On Site Service | Sales | Rental

Overview

Line Stopping Actuators (LSA) are used in conjunction with the required line stop head and housings to carry out line stops in surface or subsea environments. Their use provides temporary pipeline isolation, temporary or permanent bypass and no costly interruption of service.

Working range

4" – 48"

Maximum Stroke

72 – 185"

Max Operating Pressure

1480 psi

Specifications	LSA412	LSA1420	LSA2234	LSA3648
Diameter min	102mm (4")	355mm (14")	588mm (22")	915mm (36")
Diameter max	305mm (12")	508mm (20")	864mm (34")	1219mm (48")
Stroke	1829mm (72")	2591mm (102")	3356mm (140")	4191mm (165")
Drive Power Type	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Max Operating Pressure	102bar (1480psi)	102bar (1480psi)	102bar (1480psi)	102bar (1480psi)
Max Operating Temperature Continuous (Standard)	83°C (181°F)	83°C (181°F)	83°C (181°F)	83°C (181°F)
Hydraulic Supply Needed @ 70 bar	Variable flow	Variable flow	Variable flow	Variable flow
Weight	135kg (297 lb)	450kg (990 lb)	740kg (1631 lb)	1550kg (3410 lb)
Shipping Weight	195kg (430 lb)	525kg (1155 lb)	840kg (1848 lb)	1675kg (3685 lb)
Shipping Dimensions	354cm x 50cm x 50cm 140" x 20" x 20"	354cm x 50cm x 50cm 140" x 20" x 20"	450cm x 50cm x 50cm 177" x 20" x 20"	525cm x 50cm x 50cm 177" x 20" x 20"



BORING UNITS



Availability

On Site Service | Sales | Rental

Overview

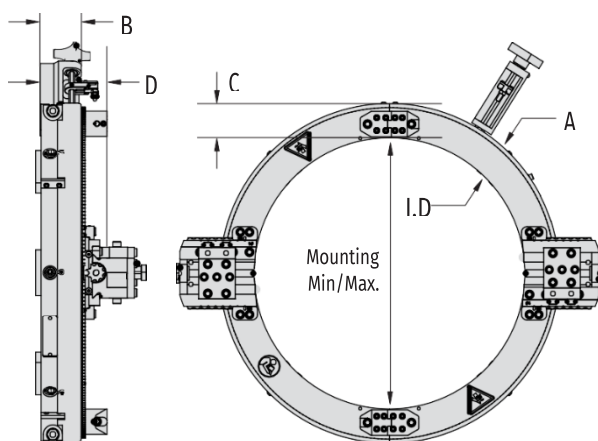
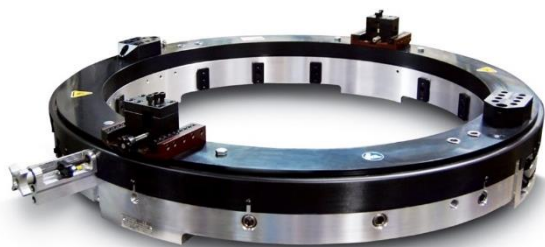
Portable boring units are multifunctional machine tools: in-line boring (also on blind holes), internal and external overlay welding, drilling, tapping, facing and grinding of external cylindrical surfaces.

Each unit operates on different dimensions, carrying out, with extreme precision, the on-site repair of holes and pivot points of large and small machinery (earthmoving, industrial, naval sectors, etc.) whose disassembly would involve the machine downtime and transport to the workshop.

Machine range	Bar Diameter mm	Boring Diameter mm	Welding Diameter mm	Stroke mm
NSb Small	20	22-70	25-400	Unlimited (Step 120)
NSb1 Plus	35	22-180	25-250	Unlimited (Step 120)
NSb2 Compact	40	22-400	25-400	Unlimited (Step 110)
NSb2 Standard	40	22-400	25-400	Unlimited (Step 210)
NSb2 Plus	50	32-450	25-450	Unlimited (Step 210)
NSb3	60	42-800	42-800	Unlimited (Step 250)
NSb5	80	180-1000	100-1000	Unlimited (Step 250)
NSb7 Plus	100	400-1700	400-1700	Unlimited (Step 250)
NSb7 Triphasic	100	400-1700	nd	Unlimited (Step 290)



SPLIT-FRAME PIPE CUTTING



Availability

On Site Service | Sales | Rental

Overview

These pipes cutting and bevelling tools come in different models and can work on pipes from 2" (50,8mm) to 177" (4496mm). These portable machines offer unsurpassed control and power as well as fast set-up and ease of use. They have been designed for severing, I.D. boring, flange facing and O.D. turning. They are precise, providing excellent surface finishes and hold tight tolerances on all applications. There is also a variety of Clamshell accessories for situations such as out-of-round pipe, low profile clearance and more.

NB Series

The NB Clamshell series is the industry standard for narrow body, lightweight machines, able to cut or bevel flange and pipe sizes from 2" (50,8mm) to 36" (914,4mm).

MS Series

The MS (Mid-Size) Clamshell's compact design delivers the power and accuracy to work on all pipe diameters, materials and wall thicknesses.

MS range is 4,125" (104,8mm) to 48.25" (1225,6mm).

HD series

The HD (Heavy Duty) series of Clamshells are designed for large diameter, heavy cutting applications. The machines accommodate flange and pipe sizes ranging from 20" (508mm) to 177" (4496mm) O.D.

NARROW BODY

Machine range	UNIT OF MEASURE	MOUNTING MIN - MAX	MACHINE ID	A	B	C	D	MACHINE WEIGHT
DLR-NB4	metric - mm	2.0 - 4.5	4.75	9.25	3	2.25	4.5	25 lbs
		50.8 - 114.0	120.7	235	76.2	57.2	114.3	11.35 kg
DLR-NB6	metric - mm	2.375 - 6.625	6.875	11.375	3	2.25	4.5	37 lbs
		60.3 - 168.3	174.6	288.9	76.2	57.2	114.3	16.80 kg
DLR-NB8	metric - mm	3.5 - 8.625	8.875	13.375	3	2.25	4.5	43 lbs
		88.9 - 219.1	225.4	339.7	76.2	57.2	114.3	19.52 kg
DLR-NB10	metric - mm	4.5 - 10.75	11.25	15.75	3	2.25	4.5	50 lbs
		114.3 - 273.1	285.8	400.1	76.2	57.2	114.3	22.7 kg
DLR-NB12	metric - mm	6.625 - 12.75	13.25	17.75	3	2.25	4.5	56 lbs
		168.3 - 323.9	336.6	450.9	76.2	57.2	114.3	25.42 kg
DLR-NB14	metric - mm	8.625 - 14	14.5	19	3	2.25	4.5	63 lbs
		219.1 - 355.6	368.3	482.6	76.2	57.2	114.3	28.6 kg
DLR-NB16	metric - mm	10.625 - 16	16.5	21	3	2.25	4.5	70 lbs
		219.1 - 406.4	419.1	533.4	76.2	57.2	114.3	31.78 kg
DLR-NB18	metric - mm	12.75 - 18 323.9	18.5	23	3	2.25	4.5	75 lbs
		- 457.2	469.9	584.2	76.2	57.2	114.3	34.05 kg
DLR-NB20	metric - mm	14 - 20	20.5	25	3	2.25	4.5	83 lbs
		355.6 - 508.0	520.7	635	76.2	57.2	114.3	37.68 kg



DLR-NB24	metric - mm	18 - 24 457.2 - 609.6	24.5 622.3	29 736.6	3 76.2	2.25 57.2	4.5 114.3	98 lbs 44.49 kg
DLR-NB26	metric - mm	20 - 26 508.0 - 660.4	26.5 673.1	31 787.4	3 76.2	2.25 57.2	4.5 114.3	104 lbs 47.21 kg
DLR-NB28	metric - mm	22 - 28 558.8 - 711.2	28.5 723.9	33 838.2	3 76.2	2.25 57.2	4.5 114.3	112 lbs 50.84 kg
DLR-NB30	metric - mm	24 - 30 609.6 - 762.0	30.5 774.7	35 889	3 76.2	2.25 57.2	4.5 114.3	118 lbs 53.57 kg
DLR-NB32	metric - mm	26 - 32 660.4 - 812.8	32.5 825.5	37 939.8	3 76.2	2.25 57.2	4.5 114.3	124 lbs 56.29 kg
DLR-NB36	metric - mm	30 - 36 762.0 - 914.4	36.5 927.1	41 1041.4	3 76.2	2.25 57.2	4.5 114.3	135 lbs 61.29 kg

MID SIZE

Machine range	Unit of measure	Mounting min max	Machine id	A	B	C	D	Machine weight
DLR-MS12	metric - mm	4.125 - 13.0 104.8 - 330.2	13.25 336.55	19.312 490.52	3.83 97.28	3.03 76.96	5.33 135.38	98 lbs 44.49 kg
DLR-MS16	metric - mm	7.375 - 16.25 187.3 - 412.8	16.5 419.1	22.562 573.07	3.83 97.28	3.03 76.96	5.33 135.38	119 lbs 54.02 kg
DLR-MS18	metric - mm	9.375 - 18.25 238.1 - 463.6	18.5 469.9	24.562 623.87	3.83 97.28	3.03 76.96	5.33 135.38	130 lbs 59.02 kg
DLR-MS20	metric - mm	11.375 - 20.25 288.9 - 514.4	20.5 520.7	26.562 674.67	3.83 97.28	3.03 76.96	5.33 135.38	141 lbs 64.01 kg
DLR-MS24	metric - mm	15.375 - 24.25 390.5 - 616.0	24.5 622.3	30.562 776.27	3.83 97.28	3.03 76.96	5.33 135.38	163 lbs 74 kg
DLR-MS28	metric - mm	19.375 - 28.25 492.1 - 717.6	28.5 723.9	34.562 877.87	3.83 97.28	3.03 76.96	5.33 135.38	185 lbs 83.99 kg
DLR-MS30	metric - mm	21.375 - 30.25 542.9 - 768.4	30.5 774.7	36.562 928.675	3.83 97.28	3.03 76.96	5.33 135.38	196 lbs 88.98 kg
DLR-MS32	metric - mm	23.375 - 32.25 593.7 - 819.2	32.5 825.5	38.562 979.47	3.83 97.28	3.03 76.96	5.33 135.38	209 lbs 94.88 kg
DLR-MS36	metric - mm	27.375 - 36.25 695.3 - 920.8	36.5 927.1	42.562 1081.07	3.83 97.28	3.03 76.96	5.33 135.38	231 lbs 104.87 kg
DLR-MS36.5	metric - mm	27.875 - 36.75 708.0 - 933.5	37 939.8	43.062 1093.775	3.83 97.28	3.03 76.96	5.33 135.38	233 lbs 105.78 kg
DLR-NB26	metric - mm	27.875 - 36.75 708.0 - 933.5	37 939.8	43.062 1093.775	3.83 97.28	3.03 76.96	5.33 135.38	233 lbs 105.78 kg
DLR-MS42	metric - mm	33.375 - 42.25 847.7 - 1073.2	42.5 1079.5	48.562 1233.47	3.83 97.28	3.03 76.96	5.33 135.38	264 lbs 119.85 kg
DLR-MS48	metric - mm	39.375 - 48.25 1000.1 - 1225.6	48.5 1231.9	54.562 1385.875	3.83 97.28	3.03 76.96	5.33 135.38	296 lbs 134.38 kg

HEAVY DUTY

Machine range	UNIT OF MEASURE	MOUNTING MIN MAX	MACHINE ID	A	B	C	D	MACHINE WEIGHT
DLR-HD32	metric - mm	20 - 32 508.0 - 812.8	33 838.2	42.375 1,076.3	6.25 158.8	4.689 119.1	8.5 215.9	469 lbs 212.92 kg
DLR-HD36	metric - mm	24 - 36 609.6 - 914.4	37 939.8	46.375 1,177.9	6.25 158.8	4.689 119.1	8.5 215.9	509 lbs 231.08 kg
DLR-HD39	metric - mm	27 - 39 685.8 - 990.6	40 1,016.0	49.375 1,254.1	6.25 158.8	4.689 119.1	8.5 215.9	538 lbs 244.25 kg
DLR-HD43	metric - mm	31 - 43 787.4 - 1,092.2	44 1,117.6	53.375 1,355.7	6.25 158.8	4.689 119.1	8.5 215.9	595 lbs 270.13 kg
DLR-HD45	metric - mm	33 - 45 838.2 - 1,143	46 1,168.4	55.375 1,406.5	6.25 158.8	4.689 119.1	8.5 215.9	614 lbs 278.75 kg
DLR-HD48	metric - mm	36 - 48 914.4 - 1,219.2	49 1,244.6	58.375 1,482.7	6.25 158.8	4.689 119.1	8.5 215.9	643 lbs 291.92 kg
DLR-HD50	metric - mm	38 - 50 965.2 - 1,270	51 1,295.4	60.375 1,533.5	6.25 158.8	4.689 119.1	8.5 215.9	663 lbs 301 kg
DLR-HD53	metric - mm	41 - 53 1,041.4 - 1,346.2	54 1,371.6	63.375 1,609.7	6.25 158.8	4.689 119.1	8.5 215.9	692 lbs 314.16 kg
DLR-HD54	metric - mm	42 - 54 1,066.8 - 1,360.8	55 1,397.0	64.375 1,635.1	6.25 158.8	4.689 119.1	8.5 215.9	702 lbs 318.78 kg
DLR-HD55	metric - mm	43 - 55 1,092.2 - 1,397	56 1,422.4	65.375 1,660.5	6.25 158.8	4.689 119.1	8.5 215.9	716 lbs 325.06 kg



DLR-HD57	metric - mm	45 - 57 1143 - 1447.8	58 1,473.2	67.375 1711.3	6.25 158.8	4.689 119.1	8.5 215.9	735 lbs 333.69 kg
DLR-HD60	metric - mm	48 - 60 1,219.2 - 1,524	61 1,549.4	70.625 1,793.9	6.25 158.8	4.813 122.2	8.25 209.6	831 lbs 377.27 kg
DLR-HD66	metric - mm	54 - 66 1,371.6 - 1,676.4	67 1,701.8	76.625 1,946.3	6.25 158.8	4.813 122.2	8.25 209.6	891 lbs 404.51 kg
DLR-HD72	metric - mm	60 - 72 1,524 - 1,828.8	73 1,854.2	82.625 2,098.7	6.25 158.8	4.813 122.2	8.25 209.6	952 lbs 432.21 kg
DLR-HD80	metric - mm	68 - 80 1,727.2 - 2,032	81 2,057.4	90.625 2,301.9	6.25 158.8	4.813 122.2	8.25 209.6	1063 lbs 482.60 kg
DLR-HD86	metric - mm	74 - 86 1,879.6 - 2,184.4	87 2,209.8	96.625 2,454.3	6.25 158.8	4.813 122.2	8.25 209.6	1115 lbs 506 kg
DLR-120	metric - mm	85.9 - 121.5 212 - 308	123 3124.2	137.3 3486.9	10.6 268.2	5.9 149.4	8.3 209.8	6,300 lbs 2,857 kg
DLR-180	metric - mm	144 - 177 3,658 - 4,496	179.8 4565.9	195.9 4976.9	12.1 306.3	6.8 171.5	9.1 231.9	10,000 lbs 4,535.9 kg



CHAMFER UNITS



Availability

On Site Service | Sales | Rental

Overview

Orbital cutting & bevelling machines for high-purity process piping. Regardless of whether you want to bevel for weld preparation large, small, thin-walled or thick-walled, high-alloyed or low-alloyed tubes and pipes, we can certainly offer you a suitable solution. The best solution for pipe-end tube sheet joint preparations in boiler, tank and apparatus construction.

Mounting range

12,5-609mm (0.5-24")

TUBE EXPANDERS



Availability

On Site Service | Sales | Rental

Overview

Tube Expanders for condensers, heat exchangers and boilers applications.

Tube expansion systems with electric, pneumatic or hydraulic drives.

Mounting range

Internal Diameter 3,8-123,7mm (0,152-4,87")

