

LATHE

- Lathe with standard equipment and necessary chucks and tool holders and necessary tools and accessories.

OPTIMUM - D 320 x 920 / DPA - Completely equipped screw cutting and bar lathes with oil-quenched feedgear mechanism.



Convincing arguments: quality, efficiency and price

- Heavily ripped prismatic bed made of grey cast iron, inductively hardened and precision-ground
 - Hardened and ground slideways
 - Spindle holding fixture Camlock ASA D 1 - 4"
 - Oil-quenched hardened work spindle bedded in two adjustable precision taper roller bearings
 - Guaranteed truth of running of the spindle nose less than 0.015 mm
 - Leadscrew and feed shaft drive easily switchable via oil-quenched feed gear
 - Closed quick-action feed gear, toothed wheels and shafts hardened and ground in oil bath running in precision bearings
 - The tailstock may be shifted +/- 10 mm for taper turning
 - Right/-left-hand rotation can be switched with the help of the indexing spindle
 - Chip protection at the top slide
 - Machine lamp
 - Emergency-Stop switch, motor protective switch, lockable main switch
 - Removable bed insert
 - Cover for leading spindle
 - Electrical system by Siemens
 - "Vario" type with German frequency converter, therefore torque running extremely high pulling-through and mostly constant
 - Test certificate
 - Manufactured according to DIN 8,606 (toolmaker's precision)
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Extent of supply:

- 3-jaw chuck Ø 160 mm
- 4-jaw chuck Ø 200 mm with universally adjustable jaws
- Face plate Ø 250 mm
- Revolving centre MT3
- Steady rest
- Follow rest
- Substructure (not fitted)
- Splash guard (not fitted)
- Chip pan
- Lathe chuck protection
- Machine lamp
- Threading gauge
- Quadruple tool holder
- Change gear kit
- Operating tools
- Initial filling with high-grade Mobil oil

Technical data

Centre height	160 mm	160 mm	
Distance between centres	630 mm	920 mm	
Turning diameter (max.)	320 mm	320 mm	
Turning-Ø over saddle	190 mm	190 mm	
Turning-Ø without bridge	430 mm	430 mm	
Length of bed bridge	230 mm	230 mm	
Spindle hole	38 mm	38 mm	
Spindle holding fixture	Camlock ASA D 1 - 4"	Camlock ASA D 1 - 4"	
Spindle taper	MT 5	MT 5	
Spindle speeds	65 - 1,800 rpm	65 - 1,800 rpm	
Number of steps	18 Steps	18 Steps	
Pitch - Metric (26)	0.4 - 7 mm	0.4 - 7 mm	
Pitch - Inch (34)	56 - 4 threads/1"	56 - 4 threads/1"	
Longitudinal feeds (32)	0.052 - 1.392 mm/rev	0.052 - 1.392 mm/rev	
Crossfeeds (32)	0.014 - 0.380 mm/rev	0.014 - 0.380 mm/rev	
Bed width	181 mm	181 mm	

Top slide travel	85 mm	85 mm	
Cross slide travel	162 mm	162 mm	
Tailstock taper	MT 3	MT 3	
Tailstock-sleeve travel	100 mm	100 mm	
Motor power 50 Hz	1.5 kW / 400 V	1,5 kW / 400 V	
Dimensions (L x W x H)	1,390 x 760 x 1,420 mm	1680 x 760 x 1,420	
Net weight	400 kg	410 kg	

Extent of supply OPTI D 320 x 630 / D 320 x 920 / DPA	Item no.
RÖHM 3-jaw chuck ø 200 mm Camlock D1-4"	344 1531
RÖHM 4-jaw chuck ø 200 mm Camlock D1-4"	344 1532
RÖHM-face plate Ø 260 mm D 1-4"	344 1538
Cutting tool kit 16 mm 11-pcs., with soldered HM-tips	344 1508
Cutting tool kit HM 16 mm 7-pcs. with reversible HM carbide tips	344 1511
Collet chuck kit 17 pcs., 5 C , 3 - 25 mm Set ER 32	344 1509
Position stop with fine adjustment	344 1524
Quick-action tool holder kit SWH 3 - E Includes: 1 Tool holder head E <ul style="list-style-type: none"> • 3 Tool holders 20 x 100 for square tools (type D) • 1 Tool holder 30 x 100 for round tools (type H) • For self-assembly 	338 4303

OPTIMIM PEDESTAL DRILLING

Drilling capacity: 32 mm

Drilling Chuck: 16 mm quick action

Motor Power : 1.1 kW / 1.5 HP

Spindle Speeds: 660 – 2500 rpm/min

Working Range: 225 mm

Voltage : 400V / 50Hz

Dimensions : 790x400x1730mm

Net Weight: 138 kg

Including 2 set HSS drills,
16 mm m, steps of 1mm.



PEDESTAL GRINDING MACHINE

DOUBLE WHEEL GRINDER - GBG 8 Professional

The robust and powerful double-wheeled bench grinder for fast work progress

- Low-noise, low-vibration induction motor with long lifetime
- Enclosed ball bearings for long motor lifetime
- Tool-free adjustable workpiece rests
- Large spark guards for optimum protection of your eyes
- Rubber feet for increased stability and reduced vibration

TECHNICAL DATA

Grinding disc diameter	200 mm
No-load speed	2.900 rpm
Grinding disc widths	25 mm
Grinding disc bore	32 mm
Grit	24 + 60
Rated power input	600 W
Weight	16,4 kg



- Pedestal for this equipment will be produced by Alura and fixed under machine.
- Pedestal is heavy duty type without vibration
- One side will be stone another side is brush

VALVE GRINDING MACHINE

Valve re-grinder with all necessary accessories and valve stem facing attachments

HST 16 Valve Grinding machine is made of wear resistant quality cast. Valve grinders are a new solution to valve grinding works. Classical pincers or lathe connecting chucks, replaced lock assembling, double V working system makes the machine practical ensuring accuracy and achievement of high quality result. Original valve lock system makes it possible for the machine to be applied in large engines types.



TECHNICAL DETAILS	HST 16
MAX. VALVE HEAD DIAMETER TO BE GROUND	90 mm.
MAX. VALVE STEM DIAMETER TO BE ATTACHED	16 mm.
MIN. VALVE STEM DIAMETER TO BE ATTACHED	4
MAX. VALVE LENGTH TO BE ATTACHED	340 mm.
GRINDING WHEEL MEASUREMENT	175-35
WHEEL MOTOR SPEED	2800 rpm.
WHEEL MOTOR POWER	0,36 kw.
WHEEL HEAD LONGITUDINAL TRAVERSE	70 mm.
HEIGHT	140 cm.
LENGTH	55 cm.
WIDTH	45 cm.
APPROXIMATE WEIGHT	70 kg.

STANDARD EQUIPMENTS	HST 16
GRINDING WHEEL	1
WHEEL DRESSER	1
VALVE FIXING BEARING	2
COOLING UNIT	1
USER MANUAL	1

ROCKER GRINDING ATTACHMENTS	SET
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ENGINE DRIVEN WELDER

TS 615 VS/EL-BC - VSX/EL-BC

- Arc welding source in D.C. welding
- Welds any type of electrode, including cellulosic
- Electronic regulation of welding current
- Special BC (Base Current) circuit for pipes descending welding
- Double welding range (20A-200A / 20A-400A)
- Socket dedicated to ARC GOUGING
- A.C. generator, single-phase and three-phase
- Aux power also available while welding
- Ground fault interrupter
- Engine Diesel VM MOTORI 1500 rpm
- Engine protection ES
- Silenced
- Site tow CTL22 (on request)
- Welding remote control (on request)
- Meets EC directives for noise and security



Standard equipment											
	Diesel engine	Air cooling	Electric starter	Battery 12V	Engine protection	Low press. shut down	High temp. engine shut down	Battery charge alarm	Low fuel indicator	Fuel level gauge	Hours-meter
Options on request											
	Asynchronous alternator	Welding current electr. regulation	Base current diode bridge	Socket 3~	Socket 1~	Output 48 V	Ground fault interrupter	Thermal shut off	Voltmeter	Ready for TC	Central lifting eye

Options on request	<ul style="list-style-type: none"> ● 400V Plugs ● 230V Plugs ● 110V Plugs ● Tank locking cap 	<ul style="list-style-type: none"> ● Welding cables K400 (20+15m, 50mm²) ● Remote control: TC2 (cable 20m) - TC2/50(cable 50m) ● Welding kit (mask, gloves, etc.) ● Cyclone air pre-filter 	<ul style="list-style-type: none"> ● Ammeter/Voltmeter welding ● Earthing kit ● Site tow CTL22 ● Road trolley CTV1
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Version on request	<ul style="list-style-type: none"> ● Auxiliary output: 400Y - 230I - 48I: 1x400V 32A 3P+N+T CEE - 1x230V 32A 2P+T CEE - 1x230V 16A 2P+T CEE ● Auxiliary output: 400Y - 230I: 1x400V 32A 3P+N+T CEE - 1x230V 32A 2P+T CEE - 2x230V 16A 2P+T CEE ● Auxiliary output: 400Y - 230I - 110I CTE: 1x400V 32A 3P+N+T CEE - 1x230V 32A 2P+T CEE - 1x110V 32A 2P+T CEE - 1x110V 16A 2P+T CEE
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Technical data

D.C. WELDING (Constant Current)

Current range, continuous	20A ÷ 550A
Duty cycle	550A 35% - 500A 60% - 400A 100%
Open circuit voltage	60 V

A.C. GENERATION - 50Hz

Three-phase generation	20 kVA / 400 V / 28.9 A
Single-phase generation	15 kVA / 230 V / 65.2 A
Single-phase generation	7.5 kVA / 110 V / 68.2 A
Single-phase generation	5 kVA / 48 V / 104 A
Insulation class	H

ENGINE

Model	VM motori SUN 3105 E2
* Output	27.5 (37.5 HP)
Speed	1500 rpm
Displacement / Cylinders	2.987 l (2987) cm ³ / 3
Fuel consumption (welding 60%)	5 l/h

* Maximum output (not overloadable) according to ISO 3046-1

GENERAL SPECIFICATIONS

Tank capacity	68 l
Running time (welding 60%)	13.6 h
IP protection degree	IP 23
* Dimensions LxIxH (mm)	1940x850x1080
* Dry weight	920 kg
** Measured acoustic power L _{WA} (pressure L _{pA})	96 dB(A)(71 dB(A) @ 7m)
** Guaranteed acoustic power L _{WA} (pressure L _{pA})	96 dB(A)(71 dB(A) @ 7m)
*** Acoustic power L _{WA} (pressure L _{pA})	98 dB(A)(73 dB(A) @ 7m)

* Dimensions and weight without trolley/trailer. ** Acoustic power according to European Directive 2000/14/EC. ***For fixed installation only

Mosa reserves the right to change this specification without notice. For further information please contact the sales department

OXY-ACETYLENE WELDING SET

Oxy-acetylene welding set with all necessary regulators, torches, hoses, cylinder bottles, spark lighter, welder goggles and lenses, apron, brushes, shields, gloves etc



SOLDERING IRON

Soldering Iron with continuous power 200 watts, 750 watt, 1500 watts with necessary holder fluxes, lead wires



HYDRAULIC PRESS – 160 T

- Hydraulic press-complete equipment consisting of hand pump, double acting hydraulic cylinders, etc. capacity 150, 100, 50 tons each with all necessary accessories.



Workshop-Type Presses are standard-type presses, as well as measured according to customer purpose. Workshop-type presses can be manufactured up to 1000 tons in automatic and manual as optional. All Hidroliksan Workshop Presses comply with the strictest regulatory requirements, meeting the European CE standards. Each Hidroliksan Workshop Press includes a comprehensive manual, supporting our end users in use and maintenance of our products. Hidroliksan Workshop Type Presses are used mostly in repair and maintenance workshops for the small bending, punching, straightening, detruding / extracting (removing)

- Chrome Plated Cylinder
- Steel Welded Frame
- Oil Pressure Gauge
- Pressure Adjustment
- User Manual
- 2 Year Warranty

	HD. 160 Ton	Technical Drawing
Capacity	With Arm	
A(mm)	2500	
B(mm)	1000	
C(mm)	1400	
D(mm)	1100	
E(mm)	350	
H(mm)	900	
Stroke(mm)	400	
Motor (hp.)	7.5	
Pump (Lt.)	15	
Weight (kg.)	1300	

BLACKSMITH and Equipments

Black smith hearth, with electric motor operated blows. Ash handles anvil, tongs, Jaws, hammers different sizes square flatters, punchers



Electrical Motor blow – please see designs
Ash Handles anvil (1pcs)
Tongs,
Jaws (1 pcs)
Hammers (4 pcs)
Punchers (set)



WORK BENCH WITH 6 DRAWERS

Technical Specification

50X50X150 box profile. Electro-static dust painted.

Width : 2200 mm

Depth : 750 mm

Height : 825 mm

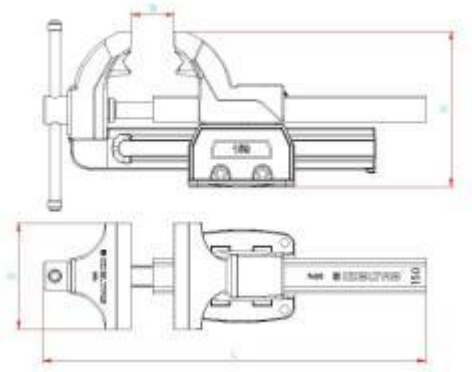
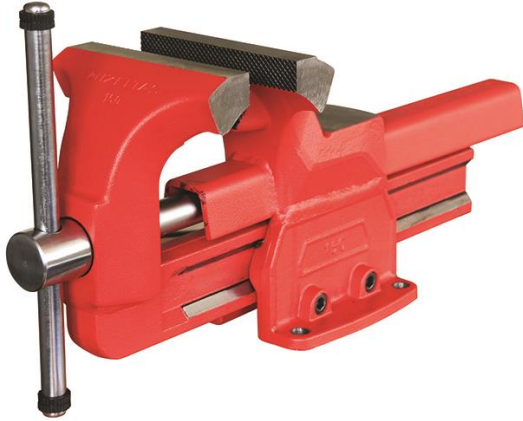
Colour : RAL 5015


Bench covered 25 mm MDF



VICE (3 Units)

Vices with different capacities on each bench, swivel and stationary vices



KOD	B mm	W mm	H mm	L mm	 g	Pcs
7400 30 0100	100	125	148	440	5000	1
7400 30 0125	125	155	183	550	11000	1
7400 30 0150	150	180	220	675	20000	1