Atelier mécanique René de Siebenthal & Fils SA

Chemin de la Pensée 4, CH-1880 Bex · Phone +41 24 463 22 28 · Fax +41 24 463 18 79
www.desiebenthal.ch

Machine park

Manufacturing capacities

Parallel lathes · 6

Turning, facing, boring, drilling, bar turning, threading, conventional machining.

Make	Centre height	Between centres	Power
AVM	125 mm	500 mm	2 kW
COLCHESTER	165 mm	1000 mm	2.5 kW
COLCHESTER	165 mm	750 mm	5 kW
COLCHESTER	165 mm	1050 mm	5 kW
KERN	215 mm	1500 mm	7.5 kW
GEMINI	340 mm	2000 mm	15 kW

CNC lathes · 3

Turning, facing, boring, drilling, bar turning, threading, automatic CNC machining.

Make	X stroke	Z stroke	Power
Mori Seiki	195 mm	1000 mm	7.5 / 11 kW
Mazak Quick Turn 35N	275 mm	1500 mm	22 / 30 kW
Colchester Tornado 110	100 mm	350 mm	7.5 kW

Knee-type milling machines · 4

Vertical and horizontal milling, surfacing, drilling, boring, tapping, contouring, profiling, thread milling.

Make	X stroke	Y stroke	Z stroke	Power
AUER	200 mm	150 mm	150 mm	1.51 kW
SIXIS	450 mm	170 mm	400 mm	2 kW
KONDIA	630 mm	380 mm	480 mm	3 kW
TOSS	900 mm	300 mm	550 mm	6 kW

CNC milling machines · 2

Vertical and horizontal milling, surfacing, drilling, boring, tapping, contouring, profiling, thread milling, 3D and helical CNC machining.

Make	X stroke	Y stroke	Z stroke	Power
FEHLMANN	450 mm	350 mm	470 mm	3 kW
REIDEN BF3	1250 mm	800 mm	750 mm	15 kW

Machining centres · 2

Vertical milling, surfacing, drilling, boring, tapping, contouring, profiling, thread milling, 3D and helical CNC machining.

Make	X stroke	Y stroke	Z stroke	Power
MORI SEIKI MV40B	800 mm	410 mm	550 mm	5.5 / 7.5 kW
HAAS VF 6	1626 mm	813 mm	762 mm	15 kW

Jig borer · 1

Centering, drilling, high-precision boring, tapping, chamfering, light milling and surfacing.

Make	X stroke	Y stroke	Z stroke	Power
SIP	950 mm	750 mm	650 mm	5 kW

Grinding machines · 3

Surface grinding, external and internal cylindrical grinding, conventional and semi-automatic machining.

Surface grinder

Make	X stroke	Y stroke	Z stroke	Power
JACOBSEN automatique	700 mm	400 mm	350 mm	7.5 kW

External and internal cylindrical grinder

Make	Between centres	Z stroke	Max. diameter	Power
FORTUNA 1000	1180 mm	1000 mm	360 mm	8 kW

Universal tool grinder

Make	Between centres	Z stroke	Max. diameter	Power
HABIB S6Y	600 mm	500 mm	250 mm	2 kW

Slotting machine · 1

Slotting, keyways, multiple profiled splines and special external, internal and conical profiles, conventional machining.

Make	Cutting length	X stroke	Y stroke	Z stroke
THULE	150 mm	400 mm	300 mm	300 mm

Drilling machines · 2

Make	Equipment	Power
ALZMETALL	Morse taper 4, Ø 600 mm rotary table	3 kW
METZNER	Morse taper 2, bench drill	1 kW

Miscellaneous equipment

Electric TIG 250 A and gas welding · Brazing, tinning · Hacksaw and circular sawing · 30 t workshop press · IFANGER tool grinder, belt grinder · Small portable machines: drills, grinders · Removal of broken tools by EDM · Small furnace for heat treatment of metals · Electrolytic polishing of stainless parts, 200 × 200 mm max.

Inspection

Measurement: External, internal and depth micrometers with digital readout · TRIMOS digital height gauge, programmable, with printed measurement report · Surface plates, V-blocks, squares · 3D coordinate measuring machine · LASER engraving, 70 mm × 70 mm maximum

Hardness: Brinell, Rockwell, Vickers

Roughness: Digital roughness tester: Ra, Ru, Rz