



Company overview / production competence Schwing St. Stefan



SCHWING GmbH

A-9431 St. Stefan /Lav., Carinthia

Friedrich-Wilhelm-Schwing-Street Nr. 1

www.Schwing-Auftragsfertigung.at



Contact details

SCHWING GmbH.

A-9431 St. Stefan /Lav., Carinthia

Friedrich-Wilhelm-Schwing-Street Nr. 1

+43 4352 2812

Telephon

+43 4352 2953

Fax

schwing-austria@schwing.at

email

St. Stefan im Lavanttal

Train station

Contact persons / contact details:

Mr. Gsodam Jörg | Head of CAM / work preparation department

jgsodam@schwing.at

direct dial 800 (+43 664 8516025)

Mr. Wastian Christian | Key Account Manager CAM

cwastian@schwing.at

direct dial 815



Technical details about our machinery

(just max. values are listed / Information depends on material!)

Qualifications:

Welding methods

Welder's qualification ISO 9606-1

MAG – welding

Manual arc welding

(details about welding: nr. **111** / ISO 9606-1

nr. **135, 136, 138** / ISO 9606-1

nr. **135, 136, 138** / ISO 14732

nr. **141** / ISO 9606-1)

Welding license

DIN EN 1090-2 EXC 3

ISO 3834-2

Testing methods

Ultrasonic testing instruments

Magnetic powder test

Color infiltration method

Encoders for dimensional accuracy and surface quality

Spectral analysis instrument

Hardness testing

Hydraulic cylinder testing area through 500 bar

FARO gage measuring arm: portable 3D measuring arm

Max. part dimensions

Max. Length: 28000 mm

Max. Width: 2500 mm

Max. Height: 3000 mm

Max. single piece weight: 10 tons

Certified

ISO 9001:2015

ISO 14001:2015



CNC- controlled machines



CNC turning-milling-drilling machining center



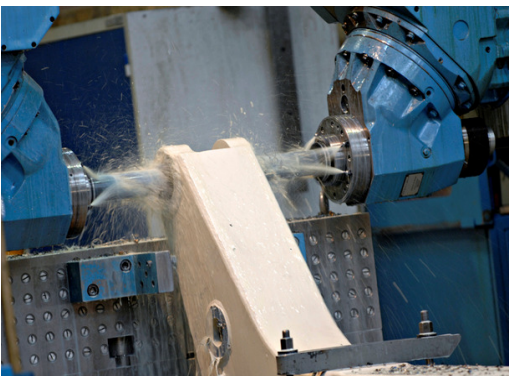
CNC palletchanging milling-drilling machining center



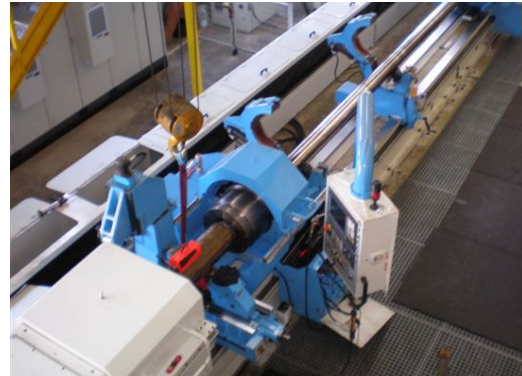
CNC Drilling and milling machining center



CNC palletchanging milling-drilling machining center



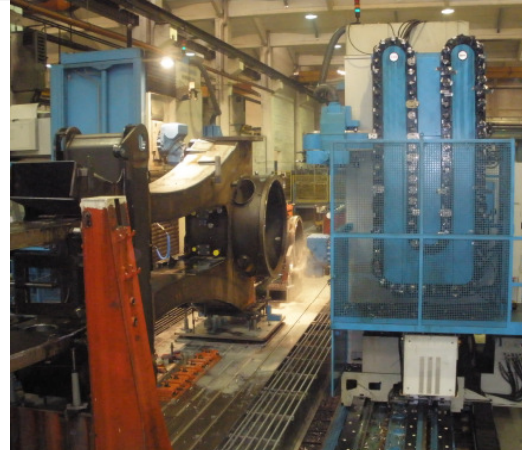
CNC travelling column milling machine center



CNC deep drill machine



CNC travelling column milling machine center



CNC travelling column milling machine center



CNC- controlled machines

Fine focus plasma

Max. sheet size: 2.500 x 12.000 mm

Max. thickness: 35 mm

Autogenous

Max. sheet size: 2.500 x 10.000 mm

Max. thickness : 250 mm

Laser

Max. sheet size : 2.500 x 12.000 mm

Max. thickness: 15 mm

CNC – cylindrical grinding machine

Diameter: $\varnothing 20 \dots \varnothing 390$ mm

Max. grinding length : 4000 mm

Max. weight: 1 to

CNC – milling machinery

With horizontal / vertical swiveling head

NC – rotary table for 5-sided machining

Traveling distance X: 2800 mm

Traveling distance Y: 2000 mm

Traveling distance Z: 2200 mm

or with magnetic clamping table

Traveling distance X: 6500 mm

Traveling distance Y: 1600 mm

Traveling distance Z: 900 mm

Machining centers

Max. traveling distance X: 12.000 mm

Max. traveling distance Y: 3.600 mm

Max. traveling distance Z: 1.200 mm

Pallet box: 2.500 x 12.000 mm

NC - Turntable: A 1.250 x 1.250 mm

B 2.500 x 1.800 mm

Pick-up for 3 heads

5 – sided machining

pallet changer



Double moving column machine

Max. traveling distance X: 28.000 mm
Max. traveling distance Y: 2.500 mm
Max. traveling distance Z: 1.500 mm
Pallet range: 2.000 x 30.000 mm
5 – sided machining

CNC – Lathe

Small lathes

Max. height: 270 mm (Ø 540mm)
Max. turning length: 1.200 mm
Max. spindle bore: Ø 77 mm

CNC – Lathe

Large lathes

Max. height: 940 mm
Max. turning length : 4.000 mm
Driven tools
X,Y,Z - axis

CNC-turning-drilling-milling machines

Max. height: 440 mm
Max. turning length : 6.500 mm
Driven tools until 25KW
X, Y, Z, B, C – axis

All-electric tube bending machine

Max. Diameter: Ø 42 x 2,0mm
Max. Length: 6.000 mm
Precision of repeating X – axis: ±0,05mm
Precision of repeating Y - und Z– axis: ± 0,05 °

5-axis machining center

DMC duoBLOCK 80 with 3D-programming

Traveling distance: 800 x 1050 x 850 mm



Conventional machines:

Sawing

Section thickness range: 0 ... 420 mm

Rolling machine (CNC – controlled)

Number of rolls: 4
Max. thickness : 20 mm
Max. sheet width: 2.000 mm
Roller diameter: 320 mm
Max. strength of sheets: 960 N/mm²

Edging – Press 400tons (NC – controlled)

Max. thickness: 20 mm
Max. sheet width: 3.700 mm
Max. strength of sheets: 960 N/mm²

Radial drilling machine

Max. drilling diameter: Ø60 mm
Max. length: 1.500 mm
Max. clamping area: 1.000 x 1.900 mm

Plate drilling machines

Spindle: Ø110 mm
Traveling distance X: 4.200 mm
Traveling distance Y: 1.500 mm
Traveling distance Z: 400 mm
Clamping range of pallet field: 1.200 x 8.000 mm
Max. possible weight: 16 tons

Milling machines

Table clamping surface: 630 x 400 mm
Traveling distance X: 1600 mm
Traveling distance Y: 600 mm
Traveling distance Z: 600 mm



Drilling and milling machine

Spindle: \varnothing 100 mm
Traveling distance vertical: 1.200 mm
Traveling distance horizontally: 1.600 mm
Clamping surface rotary table: 1.250 x 1.250 mm
Clamping surface rotary table: 2.200 x 2.200 mm
Max. possible weight: 3 tons

Lathe

Max. height: 310 mm
Max. turning length: 4.000 mm

Deep drilling machines

Max. deep drilling length: 6.000 mm
Diameter: \varnothing 31,6 ... \varnothing 600 mm

Honing machine

Diameter: \varnothing 20 ... \varnothing 210 mm
Max. honing length: 2.200 mm

Cylindrical grinding machine

Diameter: \varnothing 30 ... \varnothing 420 mm
Max. grinding length: 2.000 mm



Cutting equipment / welding equipment



CNC Fine Focus plasma machine



CNC-Laser cutting machine



Cross-seam welding system



Welding robot



Welding robot



Cylinder welding robot



Welding systems

Longitudinal welding robot

Traveling distance: 15.000 mm

Cross-seam welding system

Traveling distance: 15.000 mm

Welding robot

Traveling distance: 16.000 mm

Portal welding robot

Double L-manipulator

Max. possible weight: 2,0 to

IGM Welding robot (MAG)

Max. height: 430 mm

Max. turning length: 4.000 mm

Max. possible weight: 500 kg



Other systems:

Annealing furnace

Electrically heated shaft furnace with air circulation

LSU 100/200

Max. annealing temperature: 750 Grad

Length: 2.000 mm

Diameter: 1.000 mm

Hard chrome plating plant

Nitriding

Nitriding oven for gas nitriding or for nitrocarburizing with the subsequent oxidation

Furnace size: 1.800 x 1.200 x 1.000 [mm]

Hard chrome plating plant

Inside- and outside chroming

Certified: RAL 6011 level for the highest quality

max. chroming length: 2.500 mm

max. Diameter: 300 mm

Chrom repair method SELECTRON

Sand blasting cabinet

Width: 3,8 m

Height: 4 m

Length: 12 m

Continuous blasting machine Rotojet

Max. dimensions of piece:

Width: 2.500 mm

Hight: 500 mm

Lenght: 12.000 mm

Painting cabins

Width: 5.600 mm

Height: 5.000 mm

Lenght: 17.000 mm

Hydraulic cylinder washing system

Max. length of piece: 3.500 mm

Max. outside diameter: 400 mm

Max. possible weight : 800 kg

Shipping options:

In addition by train – direct connection to the factory (train station A-9431 St. Stefan)