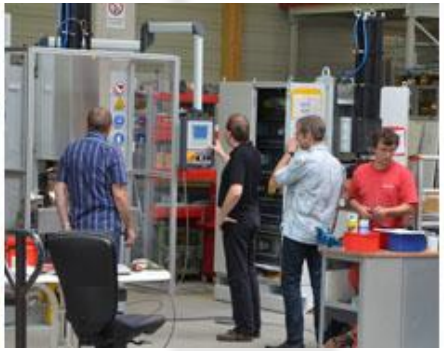
Prozesstechnik
www.conntronic.com



Solutions for welding machines design

Welding line solutions

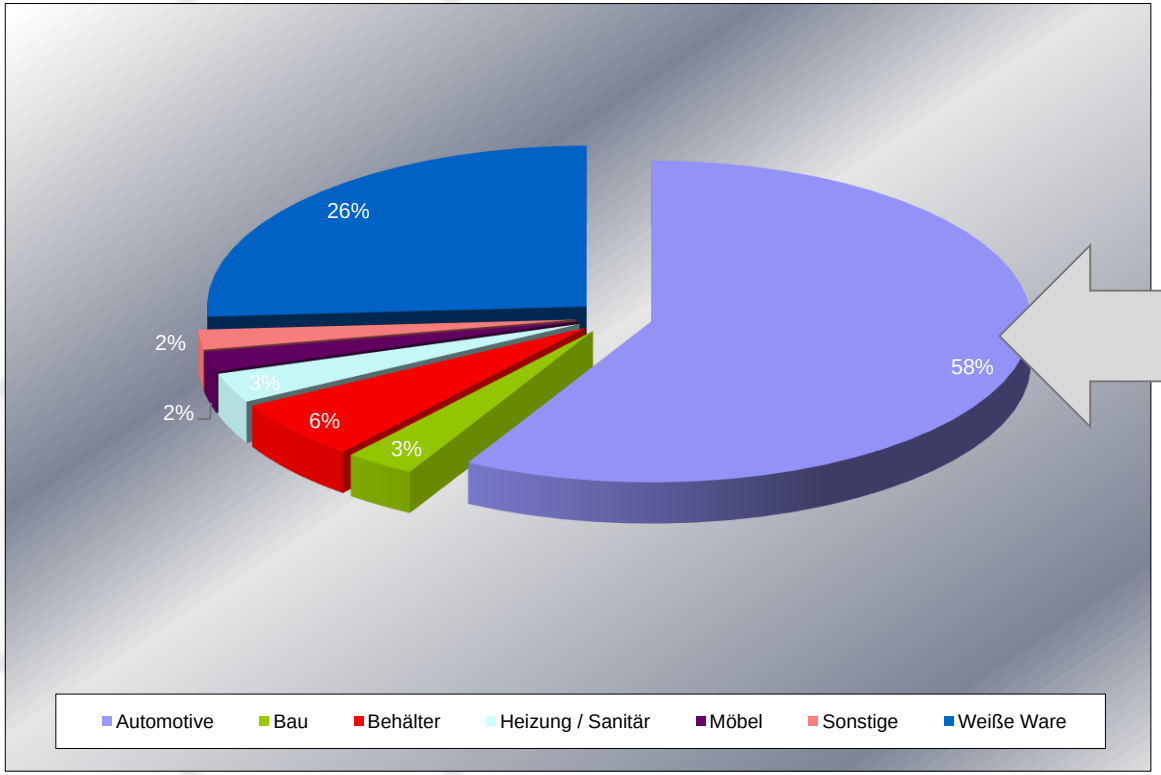
- ✓ As your partner, we work with you to draw up the most economic production process
- ✓ We supply you with individual, solution-orientated, ready to use CD, resistance or laser welding systems,
- ✓ Together with you, we develop new solutions and product variants in our own tec-center.
- ✓ If necessary, we also help you to develop your components or to optimise them for the respective welding process,

➡ from the initial ideas to the design, through to the prototype building.

Development of conntronic

- ✓ 2004 Established in Welden near Augsburg
- ✓ 2006 First CD machine for half-shell welding
- ✓ 2007 First CD machine with 1 million A
- ✓ 2008 conntronic builds its first laser systems
- ✓ 2009 First CD machine with crank drive
- ✓ 2010 Introduction of the robotic CD welding gun
- ✓ 2011 conntronic presents its first laser unit with 3D laser remote control
- ✓ 2012 conntronic expands and builds new production facility in Augsburg
- ✓ 2013 Move to Augsburg, Umweltpark
- ✓ 2014 Opening of the conntronic tec-center
- ✓ conntronic presents the first ergonomic, height-adjustable CD/MF welding machine

conntronic industry expertise, for SMEs and OEMs



Airbag
Gearbox
Exhaust systems
Fuel lines
Headrests
Steering systems
...

conntronic systems realised by industries

conntronic core expertise

- ✓ CD welding machines and units
- ✓ Special units based on resistance welding technology
- ✓ Robotic laser welding units
- ✓ Component development with our customers (designed to suit processes)
- ✓ Jigmaking (for resistance, shielding gas and laser units)

Prozesstechnik
www.conntronic.com

ct tec-center

Solutions for welding machines design

tec-center

The conntronic tec-center is used for the following purpose.

- ✓ Draw up welding tests for customers; focus on CD, MF and laser welding
- ✓ Set processes, determine parameters
- ✓ Run-in/test remote laser jigs
- ✓ Basis for further technological development of resistance welding, focus on CD

The tec-center consists of three basic blocks:

- ✓ Resistance welding area, CD focus
- ✓ Laser cell with remote welding and conventional cutting
- ✓ Robot cell with laser welding tool and/or MF spot welding gun

MF/CD welding area

Technical equipment:

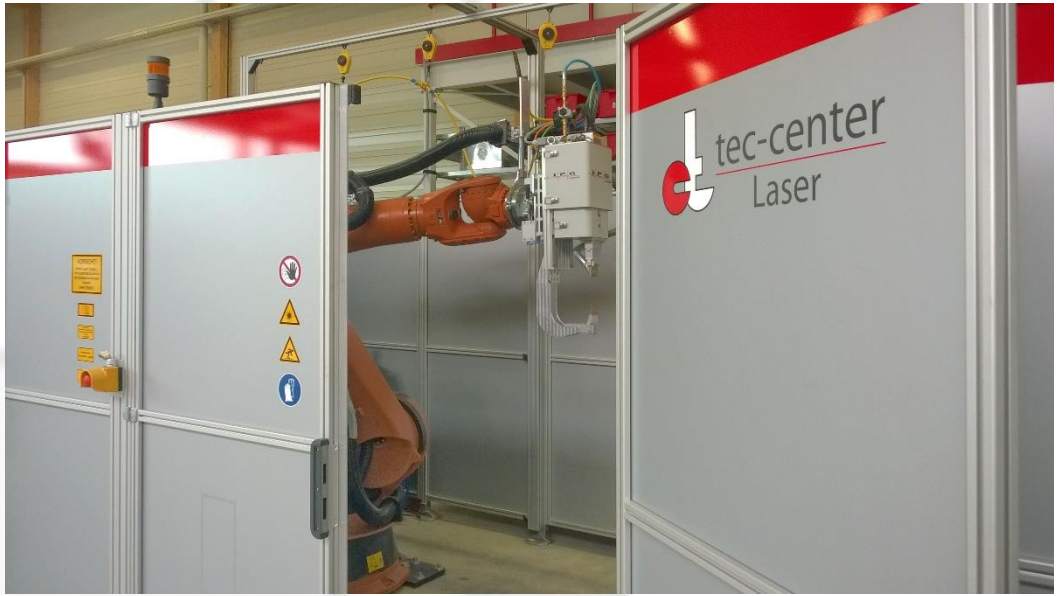
- ✓ CD18-30M pneumatic
- ✓ CD18-45M servomotor-driven
- ✓ CD8-6L crank mechanism
- ✓ CD144-200P hydraulic
- ✓ CD electrode holder

Laser cell area

Technical equipment:

- ✓ KUKA KR60 HA
- ✓ Blackbird Robot Sync Unit
- ✓ Scanlab Intelliweld 30FC (Remote scanner)
- ✓ Precitec SolidCutter 100/100 QBH 2
- ✓ Rofin 2 kW fibre laser

Robot cell area



Technical equipment:

- ✓ KUKA KR150
- ✓ IPG laser seam stepper (LSS 2)
- ✓ IPG 3 kW fibre laser
- ✓ Alternative:
  - MF spot welding gun
  - CD spot welding gun

Prozesstechnik
www.conntronic.com

ct industry-specific solutions

Solutions for welding machines design

Industry solutions

In recent years, conntronic has become highly specialised in selected industries. This means that our customers can be certain that they are speaking to real experts - not only in planning suitable welding technology, but also in the optimum implementation of a suitable unit or system.

It is our objective to develop long-term partnerships with our customers and to work closely with them – frequently to our mutual advantage, side by side with their product developers.

Expect sophisticated and creative production concepts for your complete process chain.

MADE IN GERMANY

ct Industry solutions / Automotive

Bushes

CD

material: VA/VA 160169

Nuts

CD

material: St/St 155018

Cooling element

Laser

material: VA/VA 150972

Headrest bracket

CD

material: St/St 160165

Exhaust damper

MF / WIG

material: VA/VA 150976

Middle bearing

MF

material: St/St 150970

Exhhaust

Laser/CD

material: VA/St/Guss 180129

Fuel lines

Laser

material: VA/VA 150947

Riveting process

Montage

material: - 150997

Steering part

MF / MAG

material: St/St 150954

Page 1/3

ct industry solutions / Automotive

Exhaust component

MF

material: St/St 150993

Automotive parts

Laser

material: VA/VA 150975

airbag

CD

material: St/St 160139

axle bushing

CD

material: St zink coated/ hot foreign 160152

components

CD

material: St/St 160157

Gearbox part

CD

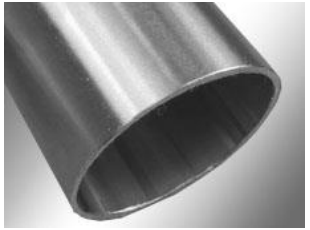
material: St/St 155014

Bushes

CD

material: St/St 160177

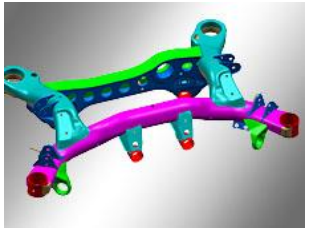
Flue gas damper



CD

material: VA/VA 155019

axle



MAG

material: St/St 150917

airbag/half shell

CD

material: St/St 160140

Seite 2/3

ct industry solutions / Automotive

sidemember

CD

material: HSS zink coated/ hot foreing 160127

Wheel housing

CD

material: VA/St 160128

exhaust

CD

material: St/St 160159

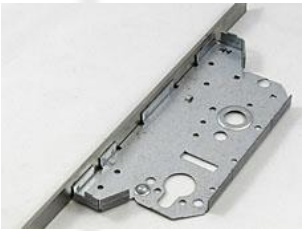
Manifold

MAG

material: VA/St 150950

ct industry solutions / Construction industry

mortice locks



CD

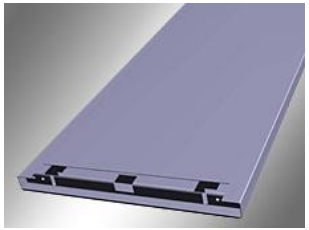
material: different combination 160168

door case

CD

material: St zink coated/ St zink coated 155004

liftdoor



CD

material: St zink coated/ St zink coated 150964

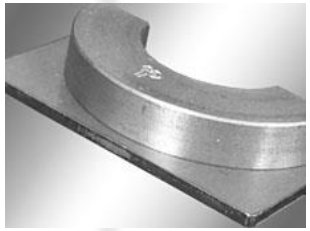
Scaffolding floor

MF

material: St zink coated/ St zink coated 150935

ct industry solutions / Containers, tanks, vessels

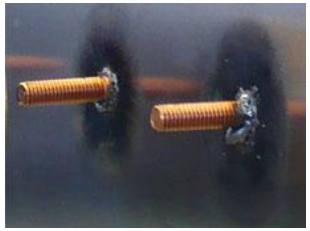
bushing + Mounting parts



MF/CD

material: VA/St 001BEH

bolt



Bolt

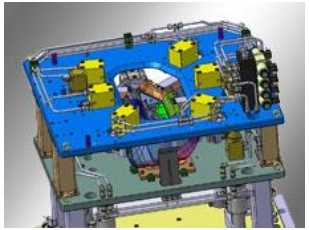
material: Cu/St 150960

Steam cooker

Laser

material: VA/VA 150963

Mixing box



WIG / MAG

Automotive jig 180063

ct industry solutions / Heating and sanitary facilities

tube connection

CD/Laser

material: St/St 160061

head pieces

CD

material: St/St 160144

manifolds

CD

material: St/St 160155

ct industry solutions / Furniture hardware

slide bars

Laser

material: St zink coated/St zink coated
150957

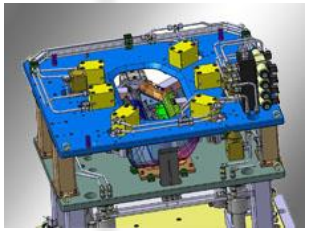
mounting parts

CD

material: St zink coated/St zink coated
160149

ct Industry solutions / Jigmaking

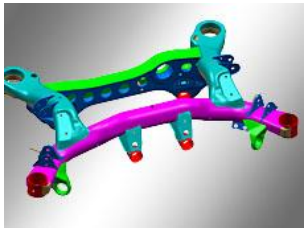
Mixing box



WIG / MAG

Automotive jig 180063

Axles

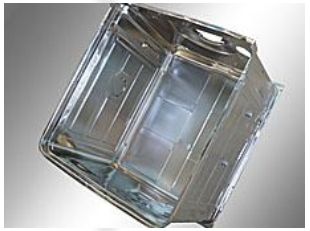


MAG

material: St/St 150917

ct industry solutions / White goods - Rinse room

mounting parts inside



CD

material: VA/VA 155008

mounting parts outside

CD/MF

material: VA/St zink coated 155012

rear panel

MF

material: VA/VA 150953

shaping and welding

MF

material: VA/VA 150955

mounting parts outside

CD/MF

material: VA/St zink coated 155006

Rinsing arm

CD/MF

material: VA/VA 160176

contact

Siegfried Wonka
+49-821-54 32 24 58
siegfried.wonka@conntronic.com

Günther Reverchon
+49-821-54 32 24 0
guenther.reverchon@conntronic.com

www.conntronic.com

conntronic Prozess- und Automatisierungstechnik GmbH
Endorferstr. 13
D-86167 Augsburg