



COMPLETE SOLUTIONS FOR YOU

ISO 9001  
ISO 14001

BUREAU VERITAS  
Certification



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# Our competences



## PRODUCTION OF ELECTRICAL CABINETS

- production of LV cabinets for machines and production lines
- UL 508A approbation

## PRODUCTION OF EL. ENCLOSURES

- tailor-made solutions incl. stainless steel
- serial electrical enclosures
- powder coating of electrical enclosures and mech. parts

## MECHATRONICS

- deliveries from basic units to complete machines
- complex solutions

## ENGINEERING AND SW ACTIVITIES

- creation and adjustment of projects
- SW adjustment, function tests

## ADDITIONAL SERVICES

- export packing acc.FAO IPPS ISPM15
- assembly works-installation of electrical cabinets on site (within the EU)



# ☒ Production background



## OPERATING FLOOR

- 5.500 m<sup>2</sup>

## NUMBER OF EMPLOYEES

- 200

## PRODUCTION CAPACITY

- electric production - 9.000 h/month (including mechatronic and serial production)
- metalworking - 3.000 h/month

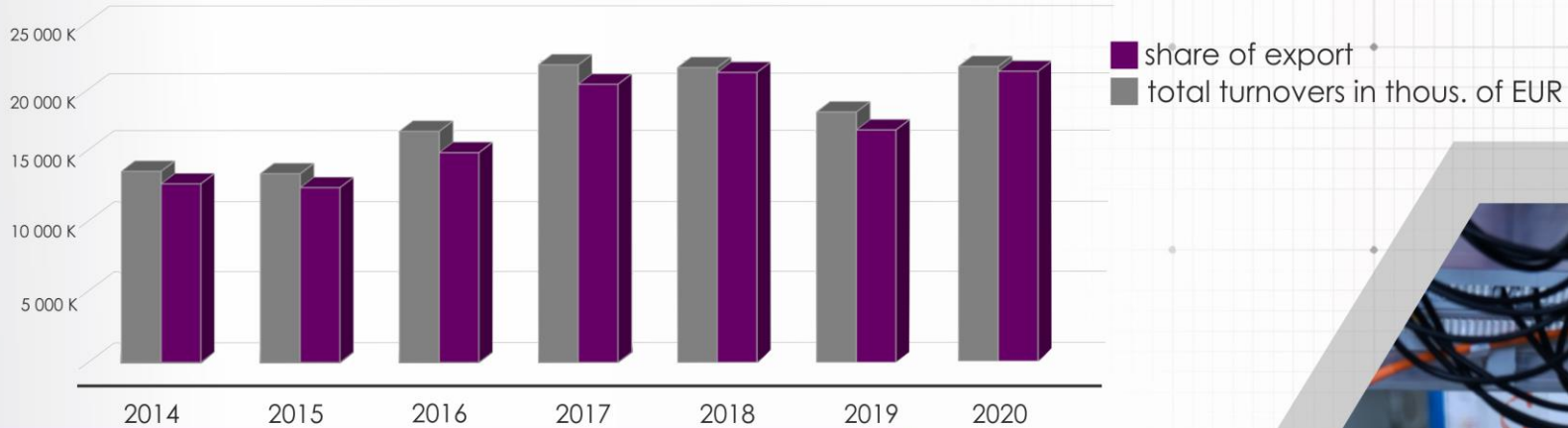


# Quality guarantee

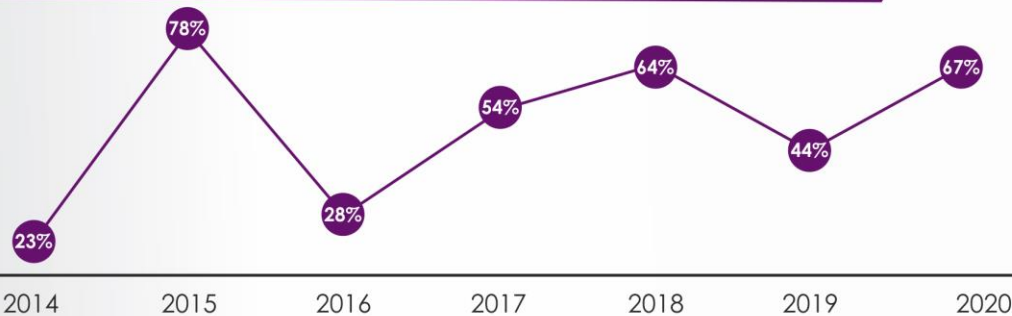


Claims for the past 8 years are in average of 0,07 % from turnover.

Turnover 2020: more than EUR 20 000 000,-

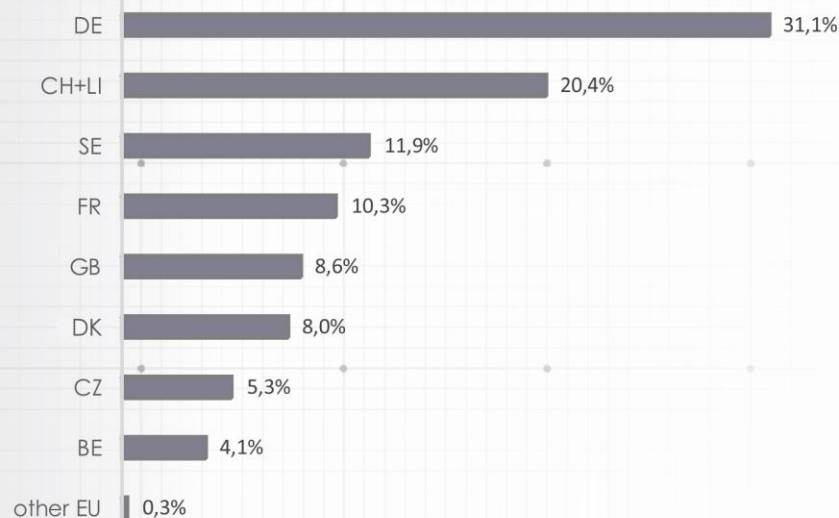


## Reinvested profit

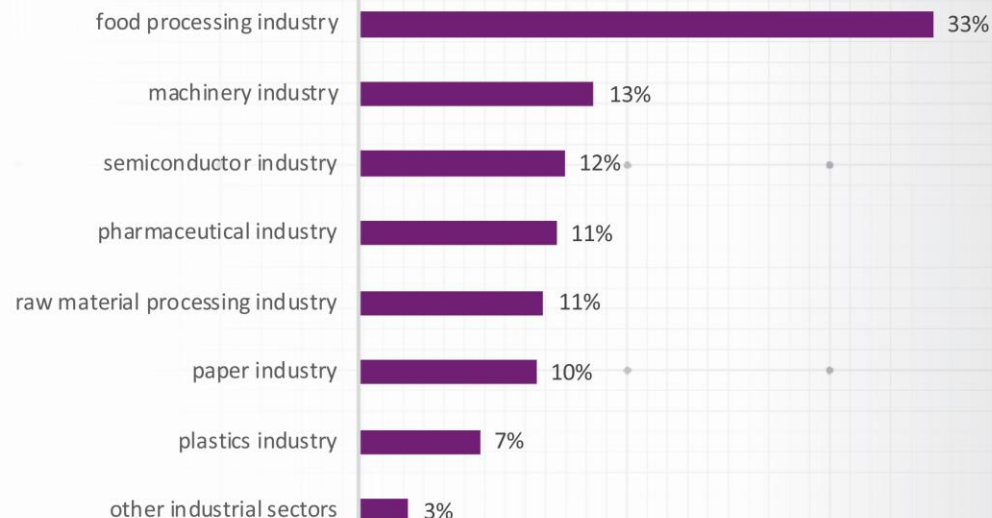


# Market areas & industrial sectors

## Market areas



## Industrial sectors



Main Business  
in West-Europe

Experiences  
from different  
branches



# References



- Bobst Bielefeld GmbH
- ELOPAK GmbH
- INTERSPARE GmbH
- Kautex Maschinenbau GmbH
- Mall Herlan MB GmbH
- SIG Combibloc Systems GmbH
- WP Kemper GmbH

- EVATEC AG
- Oerlikon Balzers Coating AG
- Andritz Soutec AG
- FRUTIGER COMPANY AG

- GEA Process Engineering Ltd.
- John Bean Technologies Ltd

- Delta Rubber Industries
- GEA Courtoy
- Incomec - Cerex

- STROS - Sedlcanske strojirny a. s.

- FIVES ECL SAS
- MAI International
- John Bean Technologies AB
- LINCO FOOD a/S



# LV control cabinets



## CONSTRUCTION AND PRODUCTION

- custom-made low voltage control cabinets production of up to 1000 VAC or 1500 VDC rated voltage and 4000 A rated current
- for machines and production lines across all industries

## OUR COMPANY SUPPLIES - CONTROL CABINETS TYPES

- power control cabinets and control of work machines
- control panels (panel switchgear)
- UL 508A approved control cabinets (CSA 22.2)
- pneumatic systems
- ESD





# Enclosures



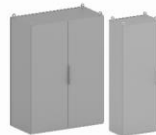
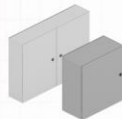
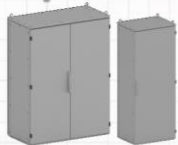
## OPTIONS

- stainless or powder-coated finish
- practically unlimited range of dimensions and colours
- foamed-in PU-sealing or clip-on sealing profiles
- verification of IP in own testing chamber
- variability of combinations

## OTHER OPTIONS

- electrical room for assembling of electrical cabinets - IP65
- sea container for assembling of electrical cabinets
- container for assembling of electrical cabinets
- base/plinth frame up to 200 mm

	ESO-II	RIO-N	KAPPA	RIO-S	CC	KAPPA-S	OMEGA
Design	solid skeleton	self-supporting all-metal body	compact steel sheet metal design	sloping roof washable design	sloping roof washable design	sloping roof washable design	self-supporting all-metal body increased surface washability
Stainless steel design	✗	✓	✓	✓	✓	✓	✓
Black steel	✓	✓	✓	✗	✗	✗	✗
IP code up to Nema rating	IP55 TYPE 5	IP65 TYPE 4X	IP65 TYPE 4X	IP65 TYPE 4X	IP65 TYPE 4X	IP65 TYPE 4X	IP65 TYPE 4X
Maximum load capacity up to	500 Kg	30 Kg	300 Kg	30 Kg	150 Kg	300 Kg	300 Kg
Dimensions of enclosures	minimum 1000x400x400 maximum 2250x800x1000	300x100x150 1200x400x1000	1000x300x400 2200x600x1000	300x100x150 1200x400x1000	800x300x400 1800x500x1000	1000x300x400 2200x600x1000	500x200x500 2000x600x1000
Connection in a row	✓	✗	✓ welded joints	✗	✗	✓ welded joints	✗



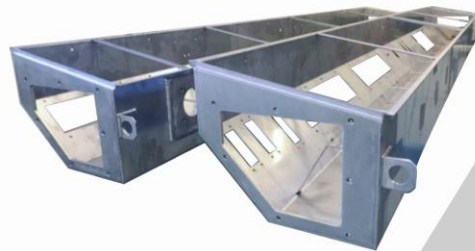




# Customized-made solution

## CUSTOMER SOLUTION OF ENCLOSURES

- custom-made enclosures
- non-standard cabinets and machine parts
- various frame designs, custom components
- diverse surface finishes (powder coating, colors, ...)



# ☒ Washable design



## ELECTRICAL ENCLOSURES WITH SLOPING ROOF

- suitable for food-processing and pharmaceutical industry
- functional design, high level of resistance against dust and water (up to IP66)
- possibility of double-row sealing



# ☒ Mechatronics



## SAVE AND REDUCTION OF CUSTOMER TIME AND COSTS

- we can reduce the number of suppliers and co-operators on your project

## DESIGN

- based on customer needs we look for optimal design for specified part of machine

## DOCUMENTATION

- preparation of mechanical and electrical documentation

## PRODUCTION

- more complex deliveries to our customers - easier for completion of machine





# Pneumatic system



Only high quality connecting material of verified supplier



**FESTO**



**bürkert**  
FLUID CONTROL SYSTEMS

**AVENTICS**



**legris**



Test of compression tightness (by compressor up to 2,26 MPa)

**Makita**

# ☒ Projection & SW services

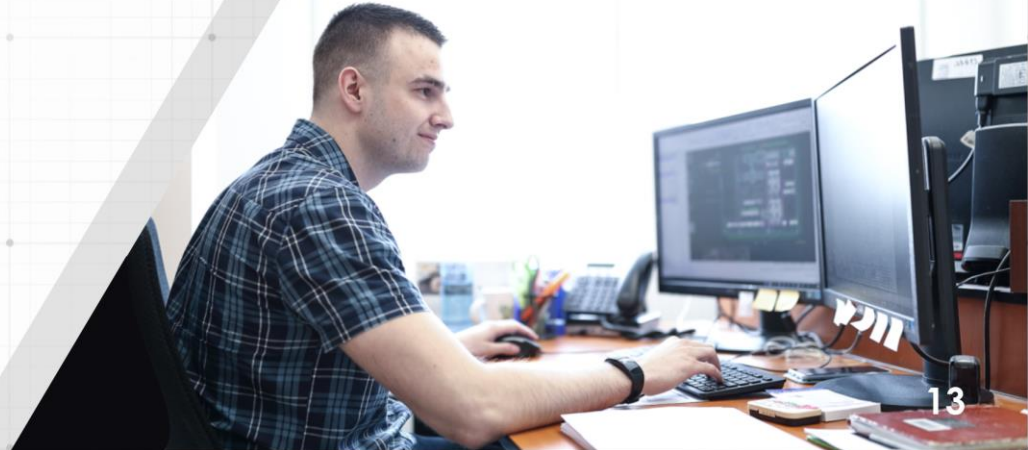


## PROJECTION IN E-PLAN

- projection of control and feed circuits of machines and technologic lines
- updates of older projects
- changes in E-Plan during production process
- processing small projects

## SOFTWARE

- engineering of control system SW for PLC: Siemens, Schneider, Omron, Allen-Bradley
- update of older SW versions
- installation of SW into PLC, HMI a VFD softstarters inc. function tests
- adjustment of frequency convertors, softstarters, transducers etc.



# ☒ FAT from your desk



check of realisation by HD Camera with remote zoom and motion

communication through secure encrypted VPN tunnel with using of standard net browser

possibility of complete functional tests or verification from „home office”

applicable for PLC SIEMENS, Schneider of Rockwell

IT - safety granted - no SW installation on customer's PC required

configuration and upload of PLC SW





# Verified supplier



## 27 years of experience with electrical cabinets

### Certification of quality and EMS management



ISO 9001:2015  
ISO 14001:2015



Safe Enterprise



ISO 50001  
Energy management systems

### Certification of welding processes



EN ISO 15085-2:2008, CL2

EN ISO 3834-2:2006

ČD V95/5, změna č. 5

### Certification of products



CE declaration of conformity

UL 508A (analogy to CSA 22.2)

CSC plaque for shipping containers

production acc. AS/NZS 3000

### Certification in acc. with EN 61439-1 ed. 3. up to

$I_{nA} = 1600A$   
 $U_i = 800V$   
 $I_{cw} = 50kA$



# ☒ Software equipment



processing of electrical wiring diagrams



3D processing of mechanical drawings



2D processing of mechanical drawings



processing of layouts



internally developed ERP



# ☒ Machinery equipment

## Modern production

**TruPunch3000**  
punching machine



**Mazak Quick Turn 200MY**  
precision lathe



**Mazak VC 530**  
vertical machining center



**Sonderhoff Dm402**  
foamed - in PU-sealing



**TruBend 5170**  
bending press



**Schleuniger 36S**  
automatic crimping machine



# ☒ Innovation



## INNOVATION

- Around 48 % of our average year profit is being invested back into the company development.

## CLEANROOM

- ISO Class 8 certificated production.

## ESD

- **Electrostatic discharge** - specialized workplaces to work with electrostatic sensitive devices.

## LEAN PRODUCTION

- Kaizen philosophy allows us to ship your order with required quality just-in-time.

## EDUCATION OF EMPLOYEES

- We are continually improving the work skills of our employees to achieve the best quality services we can provide.

# ☒ Clean Room



## CERTIFICATION

- Our CleanRoom production hall is certified according to **EN 14644 class 8**.

## RULES

- Workers are obliged to perform regular cleaning, bring material free of packaging, especially paper, and must place it on plastic pallets instead of wooden ones.

## ESD

- **Electrostatic discharge** - specialized workplaces to work with electrostatic sensitive devices.

## 5S WORKSPACE LAYOUTS

- Room is divided to single workstations with placement layouts for storing the goods to make the whole area more synoptic according to 5S.

## ROBOTIC VACUUM CLEANER

- We use a robotic vacuum cleaner as additional tool that helps us to keep the area clean.



# Education of employees



Administrative  
economic staff



Technical  
designers



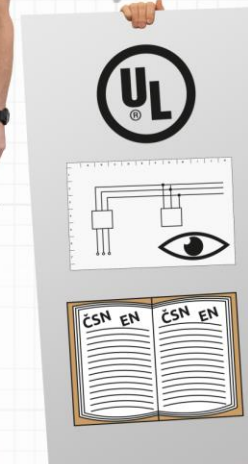
Electromechanics



Sheet metal  
workers

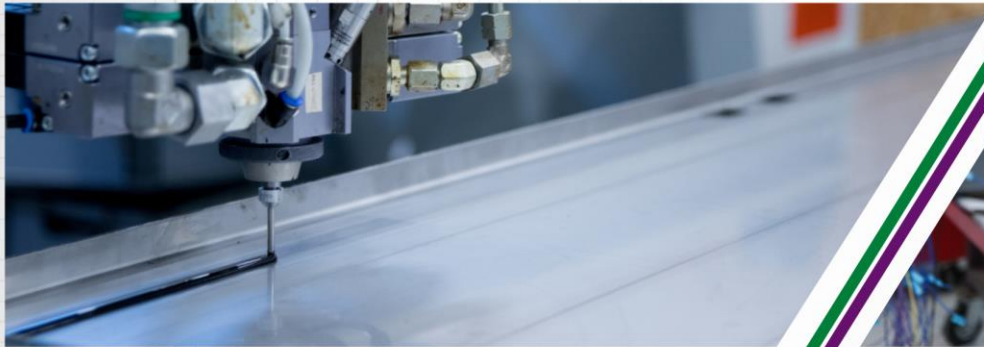


Quality  
controllers



Investment around 68.000 EUR per year

# Gallery





## SALES DEPARTMENT

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