

TESLA

STROPKOV, akciová spoločnosť

Stropkov, Slovakia

TESLA



Stropkov

TESLA



Basic information



Address: Hviezdoslavova 37/46, 091 12 Stropkov, Slovakia

Website: www.tesla.sk

Email: sales@tesla.sk

GPS:

Latitude	49° 12' 9.43"N	49.20261910
Longitude	21° 39' 6.57"E	21.65182450

Number of employees:	650	Company area:	127.575 m ²
- production:	375	- buildings:	30.552 m ²
- tooling shop:	60	- manufacture:	17.581 m ²
- R&D:	15	- logistic:	7.155 m ²
- quality:	20		

From the history



- 1960** - establishment of TESLA STROPKOV
(as a plant of concern TESLA Investment Electronics)
- 1991** - change to joint-stock company
- 1994** - privatisation of TESLA
(100% shares owned by Top management of TESLA)
- 1996** - certification of Quality Control System ISO 9001
- 2001** - certification of Quality Control System ISO/TS 16949
- 2007** - certification of Quality Control System ISO 14001
- 2018** - certification of Quality Control System IATF 16949

Certificates



ZERTIFIKAT ♦ CERTIFICATE ♦ CERTIFICADO ♦ CERTIFIKAT ♦ 認證證書





CERTIFICATE

TÜV SÜD Slovakia s.r.o.
Certification Body for Management Systems
 Accredited by SNAS
 Certificate on accreditation No. Q-011

certifies that



TESLA STROPKOV, akciová spoločnosť
 Hviezdoslavova 37/46
 SK – 091 12 Stropkov
 IČO: 00 474 339

has established and applies
 a Quality Management System for

**Development, manufacture and assembly of electrical and electronic
 equipment, plastic and metal products.**

An audit was performed, Report No. 0961/20/18/Q/AS/R3
 Proof has been furnished that the requirements
 according to

EN ISO 9001:2015

are fulfilled. The certificate is valid from **2018-05-10** until **2021-05-09**
 Certificate Registration No. **Q 0961-3**



Bratislava, 2018-05-10



TÜV SÜD Slovakia s.r.o.
 Certification Body for Management Systems
 Member of Group TÜV SÜD
 Jaskovca 6, 821 03 Bratislava

F-Q-02/21

ZERTIFIKAT ♦ CERTIFICATE ♦ CERTIFICADO ♦ CERTIFIKAT ♦ 認證證書




CERTIFICATE

The Certification Body
 of TÜV SÜD Management Service GmbH
 certifies that

TESLA STROPKOV, a.s.
 Hviezdoslavova 37/46
 091 12 Stropkov
 Slovak Republic

has established and applies
 a Quality Management System for

**Development and production of
 plastic and metal components piezoceramic products
 for the automotive industry**
 (with Product Design as per Chapter 8.3).

An audit was performed and has furnished proof
 that the requirements according to

IATF 16949
 First Edition 2016-10-01

are fulfilled.
 Issue date: **2018-07-24**
 Expiry date: **2021-07-23**

Certificate Registration No.: **12 111 43923 TMS**
 IATF Certificate No.: **0318305**



Product Compliance Management
 Munich, 2018-07-31

Page 1 of 1

TÜV SÜD Management Service GmbH • Zertifizierungsstelle • Ridlerstrasse 65 • 80309 München • Germany
 www.tuev-sued.de/certificate-validity-check

TUV®

ZERTIFIKAT ♦ CERTIFICATE ♦ CERTIFICADO ♦ CERTIFIKAT ♦ 認證證書





CERTIFICATE

TÜV SÜD Slovakia s.r.o.
Certification Body for Management Systems
 Accredited by SNAS
 Certificate on accreditation No. R-006

certifies that



TESLA STROPKOV, akciová spoločnosť
 Hviezdoslavova 37/46
 SK – 091 12 Stropkov
 IČO: 00 474 339

has established and applies
 an Environmental Management System for

**Development, production and assembly
 of electrical devices, electronics,
 plastic, metal and piezoceramic products.**

An audit was performed, Report No. 0961/20/19/E/AS/R3
 Proof has been furnished that the requirements
 according to

EN ISO 14001:2015

are fulfilled. The certificate is valid from **2019-02-28** until **2022-02-27**
 Certificate Registration No. **E 0961-3**



Bratislava, 2019-02-28



TÜV SÜD Slovakia s.r.o.
 Certification Body for Management Systems
 Member of Group TÜV SÜD
 Jaskovca 6, 821 03 Bratislava

F-Q-02/21

Audio and video intercom systems, home phones

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Advertisement for home access and communication systems. It features a circular inset showing a woman's face on a video screen, another circular inset showing a modern building, and a central image of a hand operating a silver intercom unit. The TESLA logo and company name 'STROPKOV, a. s.' are prominently displayed.

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STROPKOV, a. s.

*Domové prístupové
a komunikačné audio,
video systémy*



Advertisement for access systems. It shows a brown multi-unit intercom panel and a grey multi-unit intercom panel with a keypad, mounted on a white brick wall. The background features a blue sky and a modern building with a glass facade.

PRÍSTUPOVÉ SYSTÉMY
(DEK A BES)



Advertisement for solutions for family homes. It shows a white intercom unit with a keypad and a speaker, mounted on a wall in front of a house. A smaller intercom unit is visible on a pillar next to a gate. The background shows a house with a garage and a blue sky with clouds.

RIEŠENIA PRE
RODINNÉ DOMY
(AUDIO A VIDEO SADY)

Audio and video intercom systems, home phones

TESLA



GARANT

Domáci audio, video dorozumievací a prístupový systém
Home audio and video communication and access system

- Moderný dizajn
Modern design
- Lahká montáž a údržba
Easy mounting and maintenance
- Odolnosť voči poškodeniu
Resistance against damage
- Vynikajúca kvalita materiálov
Great quality of materials
- Vysoká variabilita výstavby
High variability of mounting
- Kompatibilita s BUS TESLA systémami
Compatibility with TESLA BUS systems

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STROPKOV, a.s.

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STROPKOV, akciová spoločnosť

HOME INTERCOM

Elegant

Special telephones, heavy industry application

TESLA





Switches, sockets

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CUBUS

komfortné riešenia pre domácnosť




CUBUS

spoľahlivé riešenia pre domácnosť

elegancia a jednoduchosť
všetko v jednom ráme

TESLA
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Distribútor:

F. EN. 203 2017

PRAKTIK



dizajn v harmónii s každým priestorom,
všimnete si ho, len ak ho naozaj potrebujete

dizajn v harmónii s každým priestorom,
všimnete si ho, len ak ho naozaj potrebujete

12

Switches, sockets

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MODUL



atraktívny dizajn overený časom

16

This section features a light orange header with the word 'MODUL'. Below it is a photograph of a modern living room with orange accents. To the right of the photo are three electrical components: a dark brown double switch, a white square socket, and a white double socket. The background is decorated with white line art of electrical outlets and switches.

ŠTANDARD

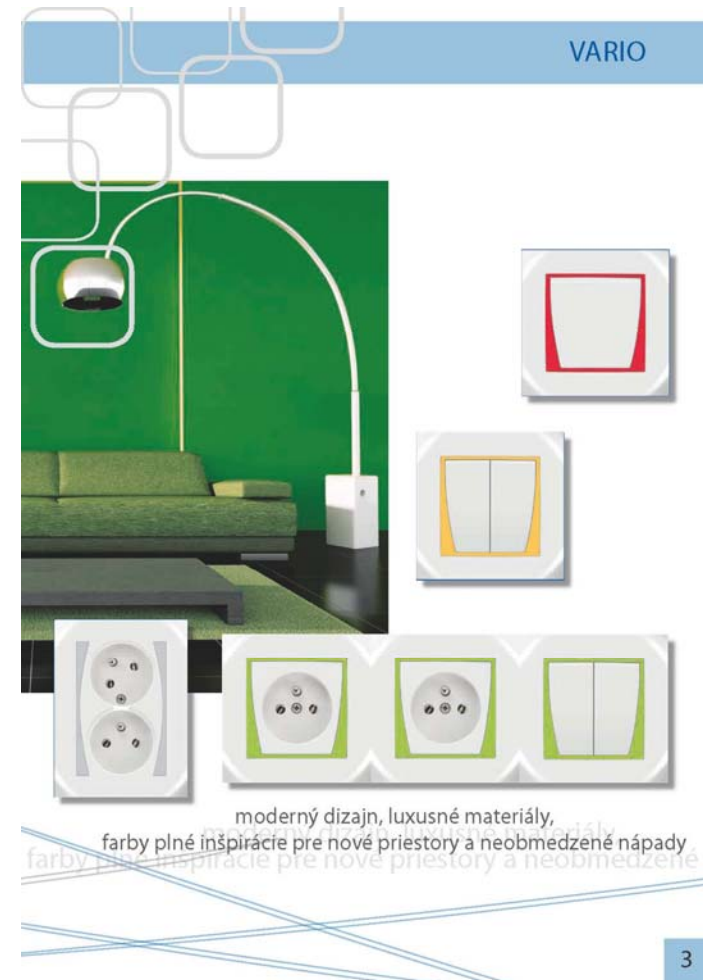


rekonštrukcia s nami je hrou

19

This section features a yellow header with the word 'ŠTANDARD'. Below it is a photograph of a yellow armchair in a room with a white wall and a white electrical outlet. To the right are two electrical components: a white double switch and a white double socket. A dark brown double socket is shown in the foreground. The background is decorated with white line art of electrical outlets and switches.

VARIO



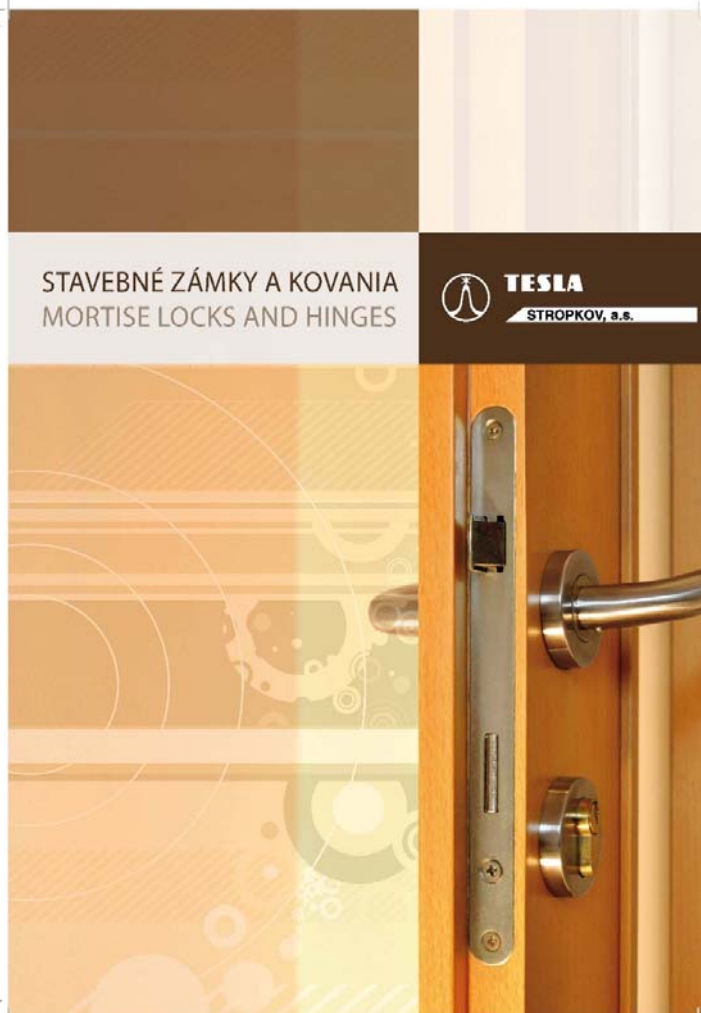
moderný dizajn, luxusné materiály,
farby plne inšpirácie pre nové priestory a neobmedzené nápady

3

This section features a light blue header with the word 'VARIO'. Below it is a photograph of a modern living room with a green wall and a green sofa. To the right are several electrical components: a square socket with a red border, a square socket with a yellow border, a white double socket, and a white double switch. The background is decorated with white line art of electrical outlets and switches.

Door locks, hinges

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Automotive

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Automotive, interieur

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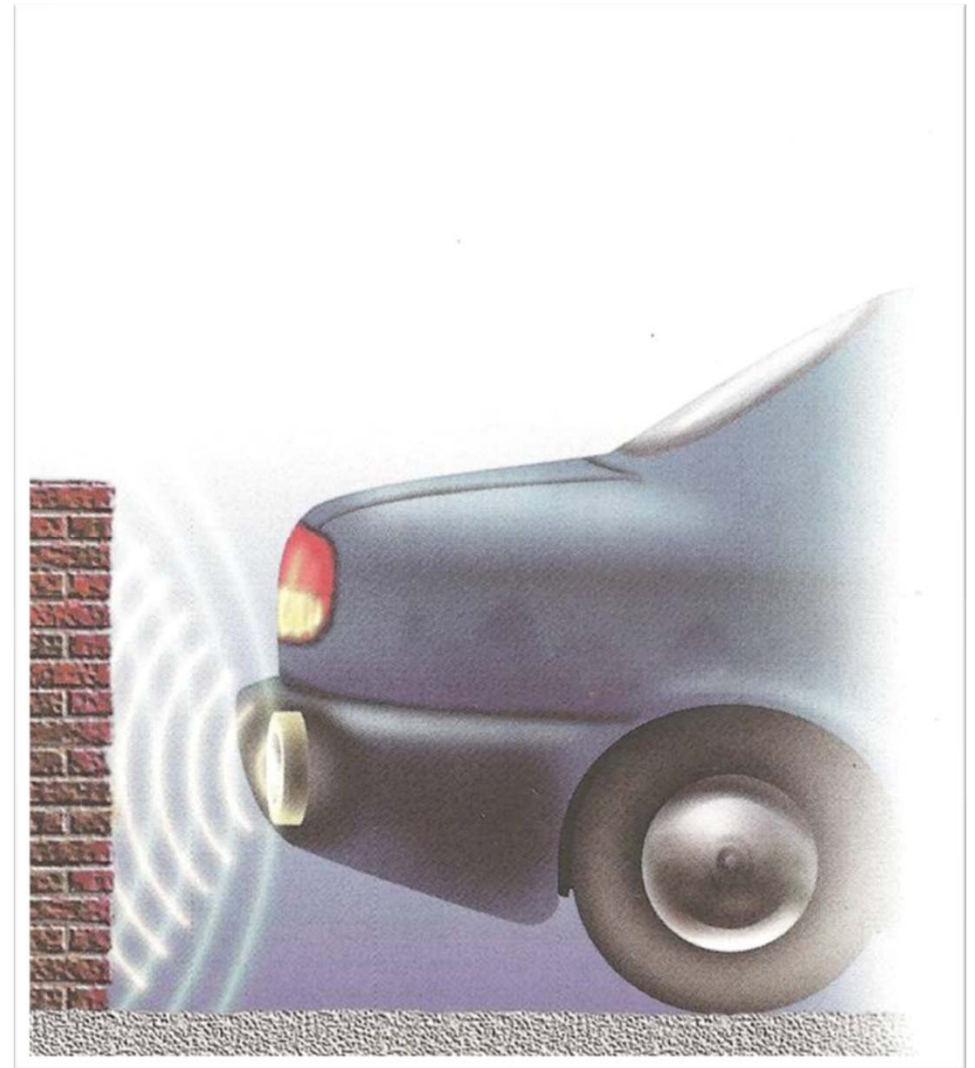


Automotive (piezoceramic discs)



- application: parking assistance (sensors)

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Technology, plastics

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- injection machines with clamping force from 20 to 800 tons
- Engel (hydraulic), Mitsubishi (electric)
- Hurmak (Hot Melt – low pressure injection)



Plastics

Brand

Clamping force

Number

Injection machines (< 200 T)

HURMAK	20	1 (vertical)
ENGEL	28	1
ENGEL	50	4
MITSUBISHI	50	2
ENGEL	60	1 (vertical)
ENGEL	80	11
ENGEL	90	4
ENGEL	110	11
ENGEL	120	6
ENGEL	130	1
ENGEL	140	1
ENGEL	150	2
MITSUBISHI	180	1

Plastics



Injection machines (≥ 200 T)

Brand	Clamping force	Number
ENGEL	200	5
ENGEL	260	8
mitsubishi	350	1
ENGEL	400	5
mitsubishi	450	1
ENGEL	600	1
ENGEL	750	1
ENGEL	800	1

Technology, painting of the plastics



Three independent workstations for applying of three different surface coatings: primer paint, colour paint and transparent top paint.

Each workstation consists of an independent booth with a manual spray gun, an outflow booth for pre-drying and an independent drying oven.

The air-conditioned areas for painting are designed as independent units for the preparation of the parts and their painting.



Technology, metals

TESLA

- stamping, bending, punching, drawing of materials with thickness 0,1 mm to 4 mm on machines with clamping force from 6,3 to 160 tons
- stamping machine EUROMAC MTX 1250/30 CNC - 2000
- turning (diameter 2mm to 20 mm) on automatic lathes
- electroplating (zinc, nickel, tin)
- powder coating
- tampon print
- screen print



Metals



Stamping machines	Brand	Clamping force	Shifts per min.	Number
	PASU 40	40	500	1
	PASU 63	63	360	1
	PASU 16	16	630	1
	LENR 6,3	6,3	160	2
	LEN 10C	10	160	5
	LEN 25C	25	155	8
	LENP 25	25	60	5
	LENR 25	25	60	2
	LENR 40A	40	60	3
	LEN 40C	40	140	8

Metals



Stamping machines

Brand	Clamping force	Shifts per min.	Number
LEN 63C	63	130	3
LENP 63	63	45	3
LEU 100A	100	125	1
LEXN 100C	100	150	2
ALO 25	25	110	5
TALO 30	30	100	1
TALO 20	20	120	2
LEK 160	160	50	1
EUROMAC	30	—	1
MTX 1250/30			


Technology, assembly

TESLA



Technology, piezoceramic



- 1989: license from Japanese company 
- piezoceramic converters and ringers as substitution for telephone inserts and electromechanical buzzers



Technology, piezoceramic

- development and production of piezoceramic discs, quadrate plates, membranes with various diameters, piezoceramic converters and ringers
- mass production of thin piezoceramic elements with various electrode configuration (according to customer request)



Technology, piezoceramic

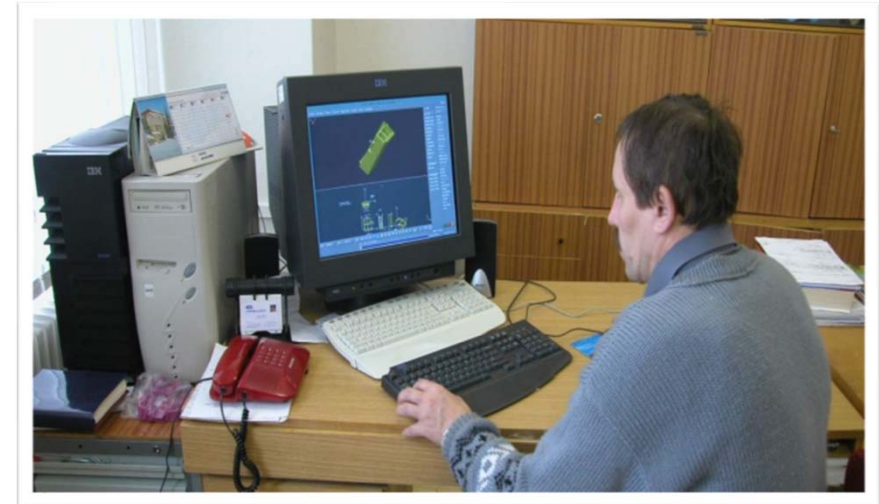
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R&D department



- design & development of mechanical parts and products
- design & development of electric and electronic products
- production of samples and prototypes
- testing in internal laboratory
- CATIA & CREO



Tooling shop

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Design and production of:

- injection moulds
- stamping tools
- assembly lines & gauges
- testing lines & fixtures
- maintenance & repair
- tool modifications
- 3D measurement



Tooling shop

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- maximum size of injection mould: 900 x 700 x 500 mm

CNC:

AGIE TRON 100c

AGIE MONDOSTAR 20, 50

EXERON 312, 313 MF

ROBOFORM 30

CHARMILEZ

EDM punching:

EMD SD1

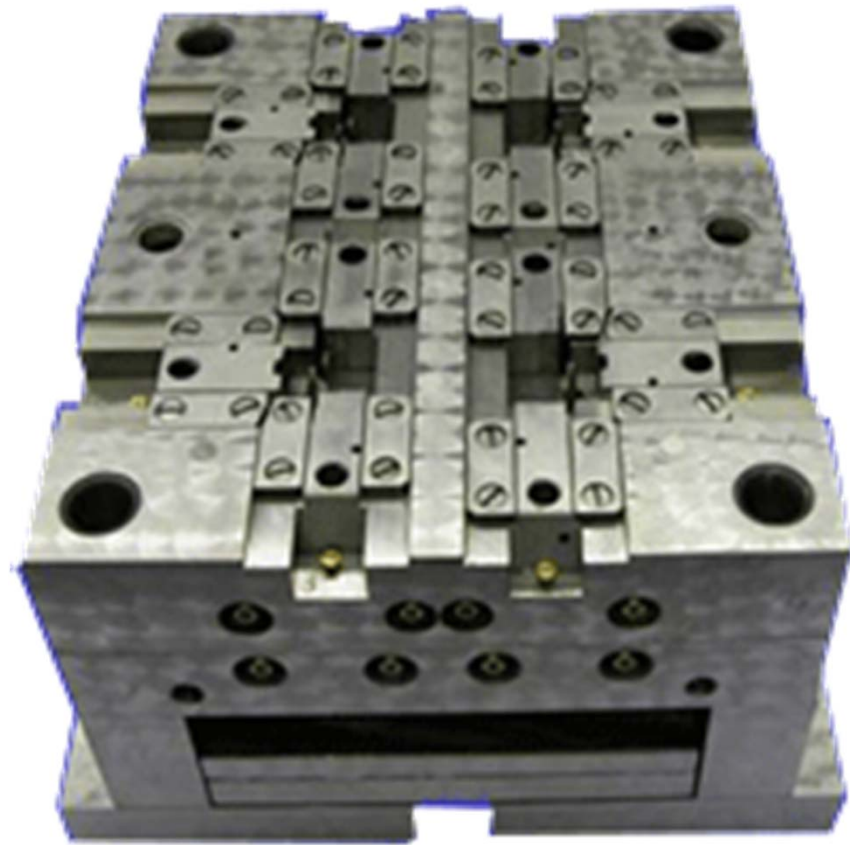
Wire cutting:

AGIE CUT Classic, EIR 005 (3x)

FANUC

Turning:

RC 80 TOS, TOS TT SV18RA (5x)



Tooling shop

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Milling:

Tool centre HURON KX 8 SP
(with HAIDENHAIN 530)

Tool centre LAGUN LEAN

Graphite milling machine AZK

Grinding:

MIKROMAT 6S

PS BPH 20 NA (8x)

PS BPH 40 B

PS BPH 320 (3x)

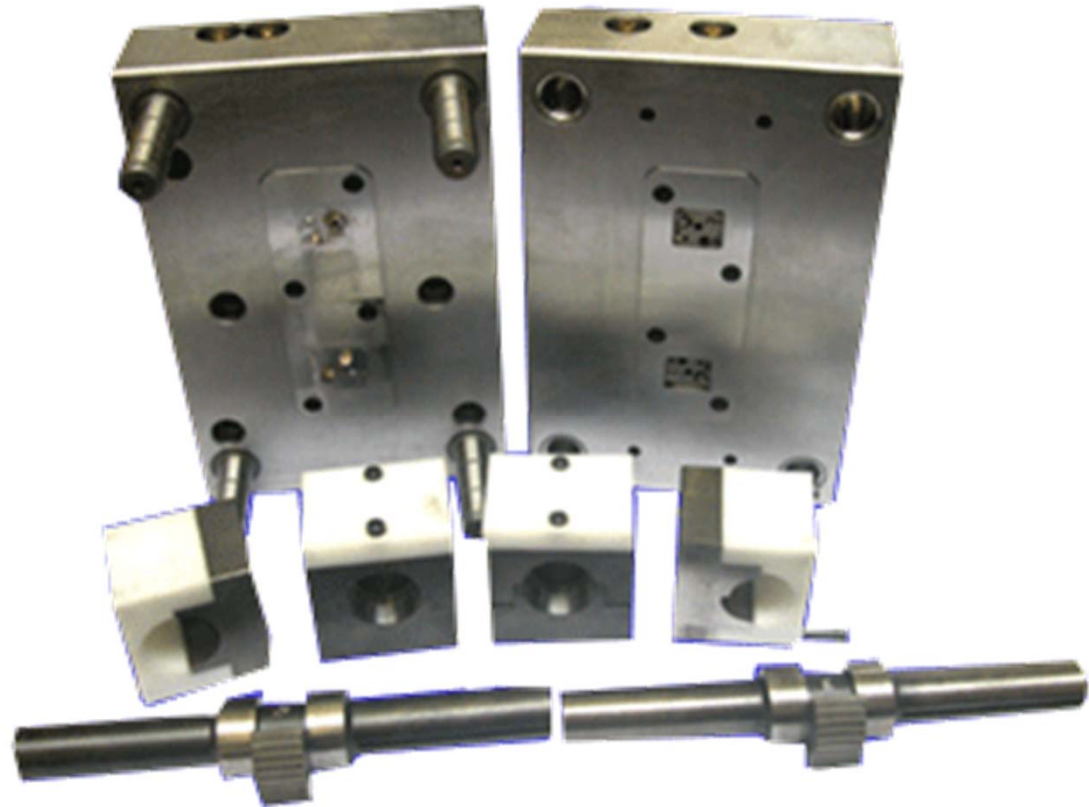
TOS UD

Welding:

ALM 200 digital (laser)

MICROTEC MT 1500S (cold welding)

Mould polishing: by grinding stone or polishing paste



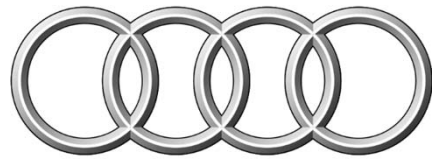
Assembly & testing lines

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Customers (automotive)

TESLA



Audi



ŠKODA



SEAT

Valeo

faurecia

SMRC

LEONI



TE
connectivity

M
MARELLI

MAGNA

Continental 

Customers (non automotive)

TESLA

STIGA

rexroth
A Bosch Company

 **DISPENSING**
DYNAMICS

 **RYS**

ELCOM[®]

 **anmima**

EDEN EL-MAT
veľkoobchod s elektroinštalačným materiálom

 **HAGARD: HAL**

Competences



- IATF 16949, ISO 9001, ISO 14001 certification
- many years of experience with design and production of various plastic and metal parts, as well as electric and electronic products
- internal R&D department
- internal tooling shop
- all activities on-site „under one roof“: marketing, R&D, tooling, production, logistics, sales and after-sales service