Dear Sirs,

Hereby, we present you our cooperation offer in the scope of production services.

SN PROMET is a Polish company located in Sosnowiec (south of Poland), which has been operating on the market since 1958. Our company offers plenty of possibilities in production of plastic and metal elements, which has been confirmed by certificates. The company is a manufacturer of low-voltage electrical switchgear including push buttons, control boxes, cam switches, miniature and limit switches etc. The company's know-how is proved by long lasting cooperation with Polish and foreign companies and also various quality certificates.

Our machinery, vast experience in devices' assembly and a wide range of applied technologies enable us to quickly start new production type and successfully cooperate with virtually anyone.

One of the facts that has significantly contributed to our success is the company's structure, which not only includes manufacturing departments but also our design and technology department, a well-equipped tool shop and a maintenance team.

In the interest of providing products of the highest quality, we have established our own laboratory to test our products electrical and mechanical wise.

We are a flexible company, geared towards change and innovation, and thus looking forward to solve your problems and gain mutual benefits.

Feel invited to work with us!

Benefits

We offer:

- Services of design office, including:drawing up the output technology, designing and creating prototypes,
- Design and manufacture of tools: blanking dies, sections, injection moulds and others,
- Machining,
- Cold working operations – die shearing, forming processing of plastics and thermoplastics on the entrusted injection moulds,
- Ageing of springy elements made of beryllium bronze,
- Services of fitting of products and sub-assemblies.

We guarantee:

- Competitive trade conditions
- High quality
- On time delivery
- Highly experienced staff

Quality Management System:

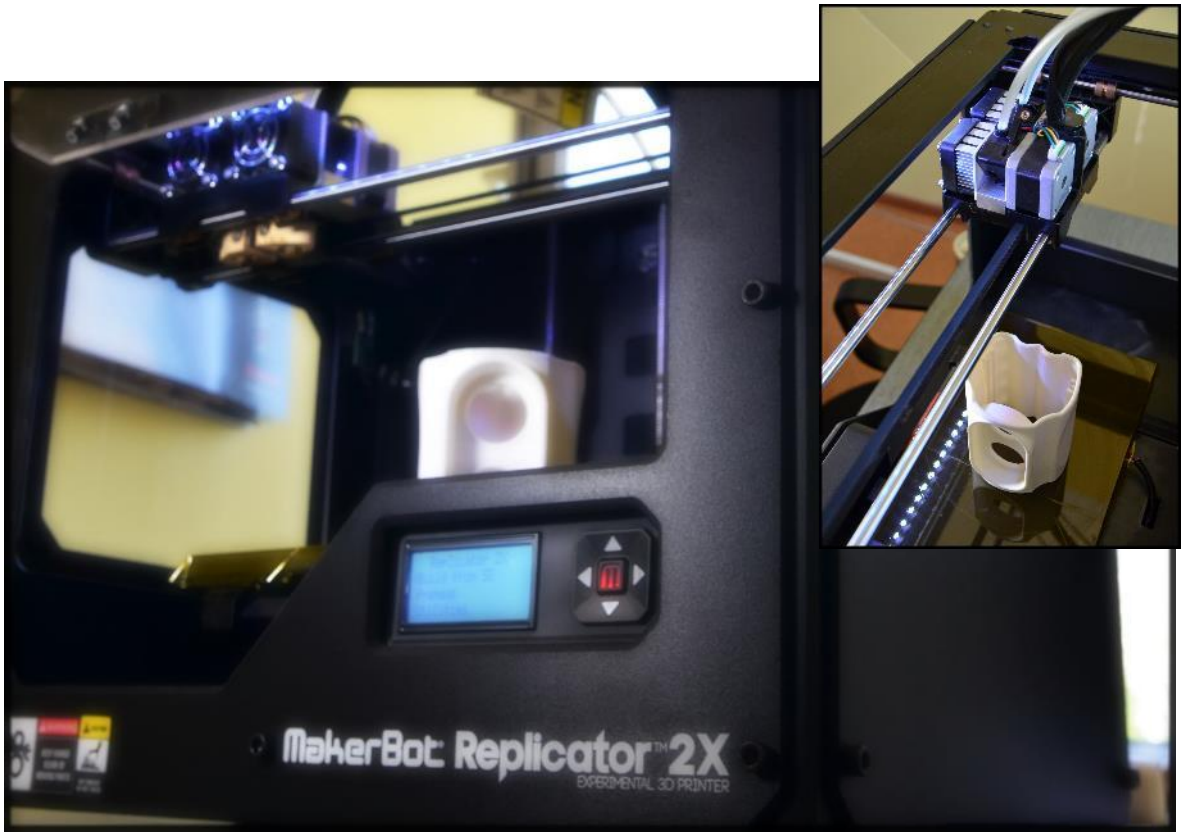
By using a Quality Management System based on the PN-EN ISO 9001:2015 standard, SN PROMET strives for its development, by ensuring our employees participate and commit to their work in designing and manufacturing. We excel at satisfying customised needs of clients reliably by using a flexible and responsible approach to their requirements.

The quality of our produces is confirmmed by certificates:

Additionally:

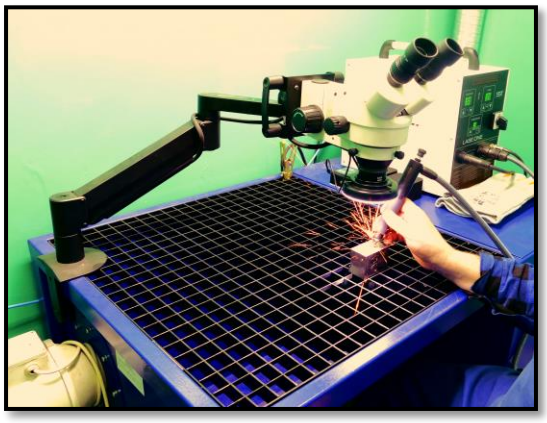
We contribute to the National Fund for the Rehabilitation of Disabled (PFRON)!
You can make deduction of 18-24%

Design, technology and prototyping



We enable designing, engineering and developing of manufacturing technologies and implementing technical solutions in production, as well as starting new processes. When working on new products and instrumentation we use following computer-aided design software: Autodesk AutoCad®, Autodesk Inventor®. We conduct calculations of products endurance as well as injection simulations. Due to usage of modern tools for conceptual design, documentation of models, we are able to achieve very high quality. We have all the tools and human resources for prototyping of products with 3D printing machines. Apart from know-how in low-voltage products, we are able to design devices for Ex zones acc. to PN-EN 60079.

Services rendered by the tool room



We offer manufacturing of tools and instrumentation for injection moulds and blanking dies, both: for own purposes and when ordered by external clients. Moreover, we overhaul and regenerate our own instrumentation and instrumentation lent by parties working with us. We offer tools repairs with LASE ONE technology, which combines laser welding quality with the advantages of electrical solutions (welding ferrous alloys, non-ferrous metals and precious metal alloys).

Available manufacturing equipment:

- Wire cut electric discharge machines (EDM),
- Machining centres (CNC),
- Pulse microswitch,
- Grinding machines, turning lathes, drillers,
- Our own hardening shop.

Processing of plastics

We provide injection moulding of plastics using professional equipment.

Our facilities include injection moulding machines manufactured by the following companies: Arburg, Engel, BOY.

Technical possibilities of injection moulding machines.

Type of machine	Closingforce	Toolheight (min)	Distance of tool plates (max)	Toolplatesdimensions	Distancebetweencolumns	Screwdiameter	Injection volume	Injectionweight	Injection pressure
	T	mm	mm	mm	mm	Ø mm	cm^3	g/PS	bar
Formoplast 265/80	80	135	455	520x520	355x355	40	200	180	1300
Formoplast 395/165	165	160	800	670x670	450x450	50	353	320	1120
Arburg 270C 400-70	40	200	550	446x446	270x270	25	44	40	1550
Arburg 320C 500-250	50	200	550	446x446	320x320	35	144	121	1820
Arburg 320K 700-250	70	200	450	476x476	320x320	35	144	121	1820
Arburg 420 C 1000-350	100	250	750	570x570	420x420	40	182	166	2120
Arburg 320C 500-170	50	200	550	446x446	320x320	35	115	105	1470
Arburg 270C 400-100	40	200	550	446x446	270x270	30	70	64	1550
Arburg 320C 500-170	50	200	550	446x446	320x320	35	115	105	1470
Arburg 420 C 1000-290	100	250	750	570x570	420x420	40	188	172	1530
BOY 22 A	22	200	400	246x220	254	22	33,85	28,45	1732
Engel VC 500/120	120	507	800	740x575 (+105)	-	40	251	231	2020

Processing of metals – machining

We offer a wide range of services rendered on all-purpose machine tools, in particular the following: turning, drilling and milling.
We offer the possibility of shaping elements with the automatic lathes with numerical control, in processed diameters from 1mm to 40 mm.

Processing of metals – cold working

We are capable of carrying out cold working operations (i.e. die shearing, stamping and forming) using professional automatic presses, which guarantee high quality and repeatability of manufactured parts.

Eccentric Press DIRINLER type CDCS 301 PY81

Pressing force	300	kN
Forming punch stroke	5-60	mm
Slider adjustment	70-80	mm
Table-slider distance	275-300	mm
Table dimensions	560x400	mm
Slider dimensions	365x250	mm
Diameter of tool's joint	Ø40	mm
Max weight of upper tool	115	kg

Eccentric Press HAULICK ROOS type RVD 25-540NS

Pressing force	250	kN
Forming punch stroke	7-40	mm
Assembling height (minimal table-slider distance)	245	mm
Table dimensions	540x520	mm
Transition between side stands	185	mm
Slider regulation	50	mm
Attachment area to the slider	540x410	mm
Diameter of tool's joint	Ø52	mm
Slider's set-up joint dimentions for tool regulation (wide/depth)	30 / 7	mm
Table passage hole	540x110	mm

Automatic embossing machine

Eccentric press		
Forming punch stroke (max)	12	mm
Maximal pressing force	7000	kG
Maximal tool length	160	mm
Maximal tool width	66	mm
Tape width (maximum)	32	mm
Forming stamp stroke	45	mm
Tape feeder stroke (maximum)	95	mm
Normal tool support		
Max. force	3000	kG
Max. stroke	28	mm
Narrow tool support		
Max. force	2000	kG
Max. stroke	35	mm

Automatic punching and bending machine ZUB-HS100 Finzer

Pinching unit type 100/80		
Maximal punching force	80	kN
Table width	195	mm
Slider stroke	10	mm
Passing-over unit type 100R		
Stepless passing-over regulation length	0-100	mm
Tape width	40	mm
Thickness of tape	3	mm
Height regulation	±35	mm
Bracket's back steering cylinder		
Stroke force (maximum)	13,5	kN
Driving point (maximum)	100	Nm
Middle puncher stroke (maximum)	42,5	mm

Eccentric Press PMS16S

Nominal pressing force	157	kN
Forming punch stroke	6-80	mm
Max table-slider distance	300	mm
Diameter of tool's joint	Ø32	mm
Plate dimensions	500x355	mm
Table hole	160	mm
Plate hole	80	mm
Clearance between body walls	220	mm
Compression extractor (max. force/stroke)	1600 / 35	kG/mm

Eccentric Press KD2126E

Nominal pressing force	400	kN
Forming punch stroke	10-80	mm
Table dimensions	600x400	mm
Table passage hole dimensions	300x200	mm
Table passage hole diameter	Ø250	mm
Outreach	220	mm
Maximal table-slider distance	280	mm
Table-slider distance regulation	65	mm

Thickness of fixing plate	80	mm
Slider dimensions	350x285	mm
Diameter of tool's joint	50H8	mm

Eccentric Press LENP40A

Rated pressing force	400	kN
Outreach	220	mm
Maximal table-slider distance	250	mm
Transition between stands	250	mm
Forming punch stroke	8-90	mm
Slider regulation	60	mm
Diameter of tool's joint	40	mm
Table dimensions	630x430	mm
Table passage hole(length x width / Ø)	280x180/220	mm
Thickness of fixing plate	60	mm
Passing in fixing plate	220	mm

Single-eccentric Press EN80

Pressing force	800	kN
Slider regulation	8-110	mm
Table dimensions	750x590	mm
Table passage hole	200x200	mm
Slider dimensions	540	mm
Maximum table-slider distance	430	mm
Slider regulation	100	mm
Diameter of tool's joint	Ø40	mm

Hydraulic Press PH-M100h

Maximal pressing force	1	MN
Maximal tearing force	0,5	MN
Moving table stroke	400	mm
Clearance between tables	700	mm
Table dimensions	650x650	mm

Table Eccentric Press type PMSt 2,5

Pressing force	2,5	t
Outreach	110	mm
Stroke	4-50	mm
Table-slider distance	175	mm
Slider adjustability	30	mm
Slider hole	Ø20	mm
Table dimansions	280x220	mm
Table hole	90	mm
Plate thickness	40	mm

Eccentric Platen Press PMSt6,3 (Schlatter line)

Nominal pressing force	6,3	t
Outreach	140	mm
Slider stroke	8-50	mm
Max table-slider distance	230	mm
Slider adjustability	50	mm
Table dimensions	355x280	mm
Dimensions / hole diamter in table	135x120/Ø50	mm
Plate thickness	50	mm
Slider surface dimensions	160x120	mm
Hole diamter in slider	Ø25	mm

Press manual PXBa-2,5A

Table of the press	Ø160	mm
Table passage hole	50x55	mm
Slider hole	Ø16	mm
Table-slider distance	80-150	mm

Pneumatic press PPS-2000

Line:Press PMSt6,3 – Schlatter (type Cad 20/20) – Press PMSt6,3

Line:Press PMSt6,3 – Schlatter (type CVB 11/2/6) – Press PMSt6,3

Schlatter disc type CVD 11/13/28

Schlatter disc type Cd 20/20

Processing of metals – heat treatment

We offer the possibility of achieving the required mechanical properties of materials by using the processes of hardening and ageing. We carry out ageing of springy elements made of beryllium bronze inside a vacuum heater in which maximum working temperature is +350°C. Size of charge depending on weight, size and shape of a part.

Resisting chamber furnace YP POK-71

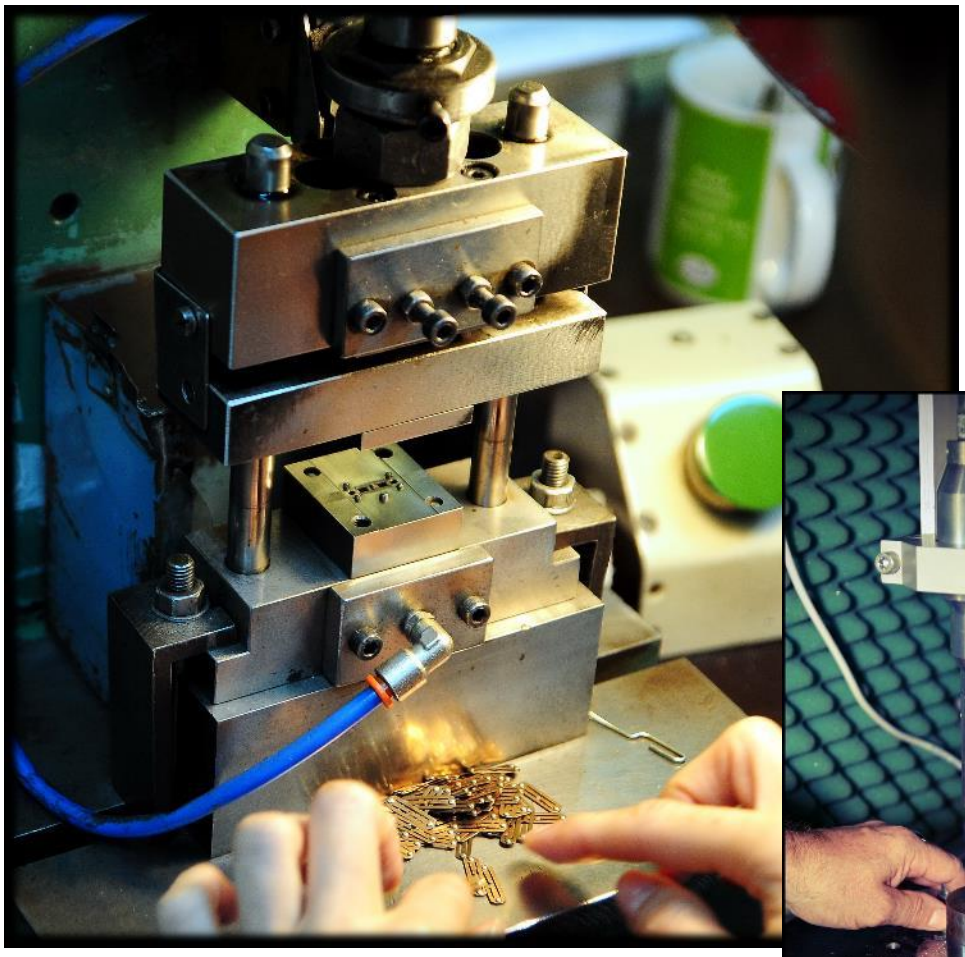
- Chamber 420 [mm] x 320 [mm] x 830 [mm]
- Plate 300 [mm] x 170 [mm] x 50 [mm]
- Operation of the furnace - manual

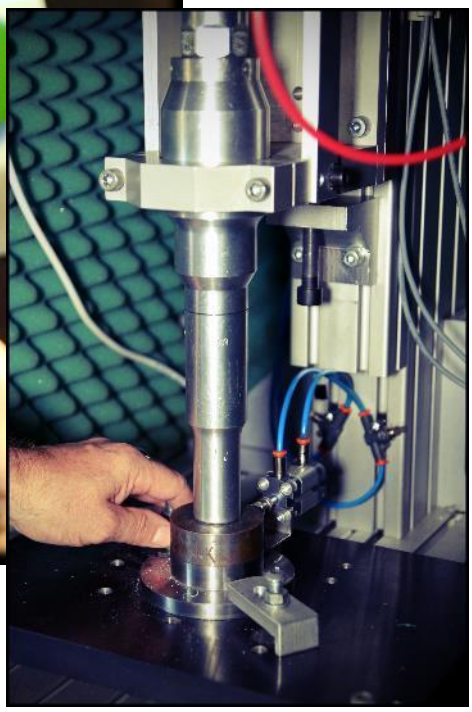
Welding of contacts

Wy offer operation of welding of silver contacs on brass base in the following ways:

- From silver wire on wheel welders Schlater,
- From silver wire on linear welderswith the option of punching and shaping (Schlater),
- Welding of contacts (silver overlay on table welders).

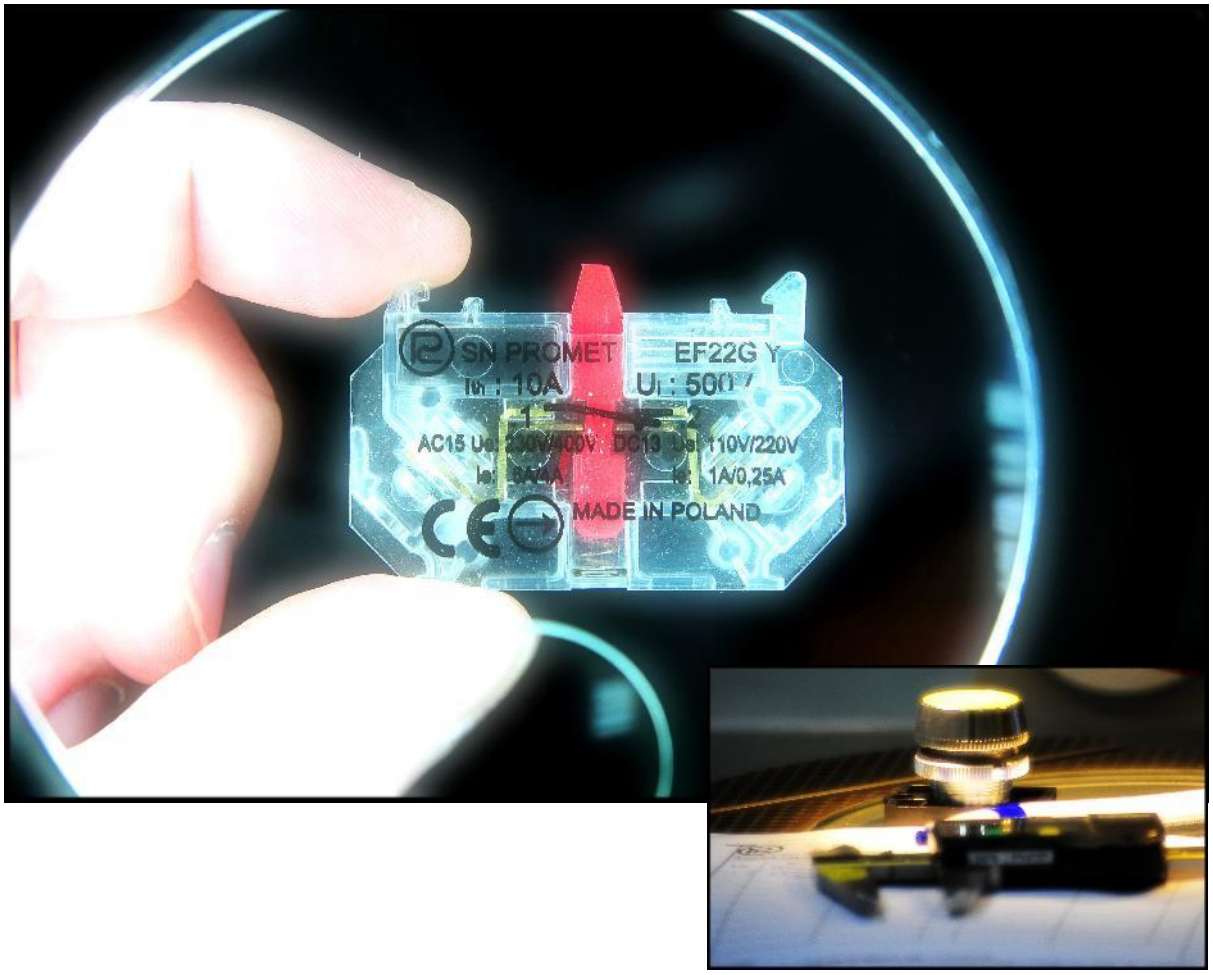
Assembly





We offer fitting of products and sub-assemblies – operations of soldering, glueing, pushing, torsion, riveting, welding, pad printing.

Laboratory



In the interest of providing products of the highest quality, we have established our own laboratory in which we have constant supervision over measurement control equipment to reach permanently high precision and recurrence of production.

Our laboratory is equipped with instruments for measurement of sizes:

- Geometric – (length and angle)
- Physical - (strength, loads, temperature, humidity)
- Electrical – (current, voltage, resistance, frequency)

Past and present cooperation:

Spółdzielnia Niewidomych PROMET

ul. Lipowa 11

41-200 Sosnowiec

tel. +48 32 269 81 00, fax. +48 32 269 81 39

sekretariat@sn-promet.com.pl

www.sn-promet.com.pl