



TOOL SHOP

COMPANY

POLMOTORS Sp. z o.o. – Tool shop has been established in 1989. Since beginning of operation have been produced automotive components, stamping tools of cold and hot forming, checking fixture, welding & spot welding fixtures and laser jigs.

Machined materials steel with hardness 62 - 65 HRC, copper, aluminum and plastic.

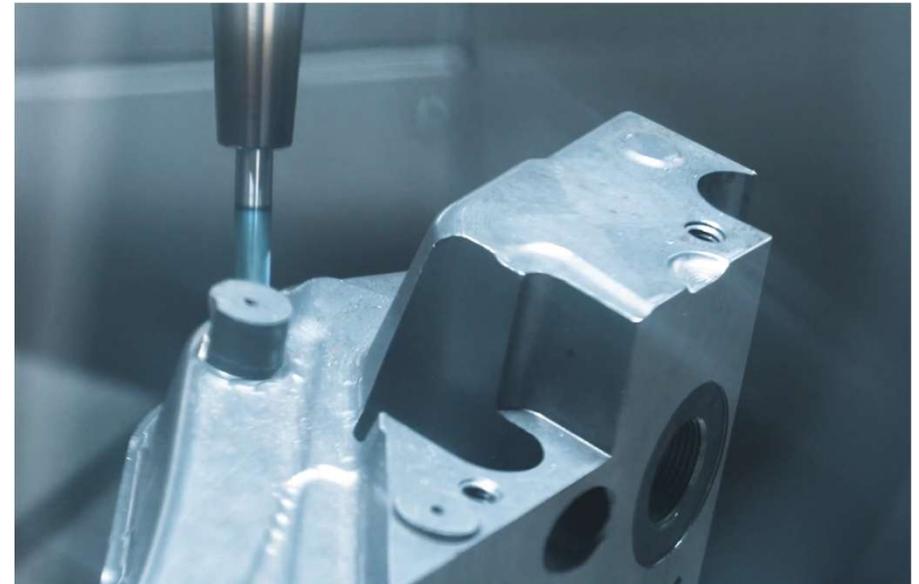
Valid certifications of IATF 16949:2016, ISO 45001:2018, ISO 14001:2015.

The plant has departments in four location in Bielsko – Biąta :

- Mazańcowice 8.500 m²
- Bielsko Biąta ul. Bestwińska 15.000 m²
- Bielsko Biąta Befama 15.000 m²
- Bielsko Biąta Panattoni – 20.000 m²

In first two localization we have Tool Shop together with production, last two are only production.

We have 2 press only for Tool shop – Tryout, spooting . We have possibility to use also the production presses. Is important specially for transfer/progres dies because we can work from beegining wittth material from coils.



CERTIFICATES



Results are available (on request if not published) through the ENX Portal together with the reference to <https://portal.enx.com/en-US/TISAX/tisaxassessmentresults>

Certificate

Standard **IATF 16949:2016**
(1st edition, 2016-10-01)

Certificate Registr. No. **01 111 129358**
IATF Certificate No. **0372614**

Certificate Holder: **POLMOTORS Sp. z o.o.**
ul. Mazańcowice 57
43-391 Mazańcowice
Poland

With extended manufacturing site(s) and remote location(s) according to annex

Scope: **Production of metal parts**
Excluding Product Design

Validity: **Proof has been furnished by means of an audit that the requirements of IATF 16949:2016 are met.**
The certificate is valid from 2020-09-25 until 2023-09-24.

Release date: **2022-10-23 (Change)**

2-IAC-QMC 01003

TÜV Rheinland Cert GmbH
Am Grauen Stein · 51105 Köln
Germany · NRW

1 / 2

www.tuv.com



Certificate

Standard **ISO 45001:2018**

Certificate Registr. No. **01 213 2241307**

Certificate Holder:
POLMOTORS Sp. z o.o.
ul. Mazańcowice 57
43-391 Mazańcowice
Poland

including the locations according to annex

Scope: **Production of metal parts**

Validity: **Proof has been furnished by means of an audit that the requirements of ISO 45001:2018 are met.**
The certificate is valid from 2022-03-25 until 2025-03-24.

2022-03-31

TÜV Rheinland Cert GmbH
Am Grauen Stein · 51105 Köln

www.tuv.com



Certificate

Standard **ISO 14001:2015**

Certificate Registr. No. **0198 104 12698**

Certificate Holder:
POLMOTORS Sp. z o.o.
ul. Mazańcowice 57
43-391 Mazańcowice
Poland

including the locations according to annex

Scope: **Production of metal parts**

Validity: **Proof has been furnished by means of an audit that the requirements of ISO 14001:2015 are met.**
The certificate is valid from 2022-04-01 until 2025-03-31.

2022-03-31

TÜV Rheinland Polska Sp. z o.o.
ul. Wolności 347, 41-800 Zabrze

www.tuv.com



TOOL SHOP

COLD-FORMING

- ✓ TRANSFER DIES (5,5M LENGHT)
- ✓ PROGRESSIVE DIES (4,4 M LENGHT)
- ✓ ASSEMBLY EQUIPMENT & JIGS
- ✓ QUALITY GAUGES AND JIGS

HOT-FORMING

- ✓ HOT FORMING TOOLS
- ✓ PULL AHEAD PROTOTYPE FORMS
- ✓ BLANKS DIES
- ✓ 3D LASER FIXTURES

ASSEMBLY

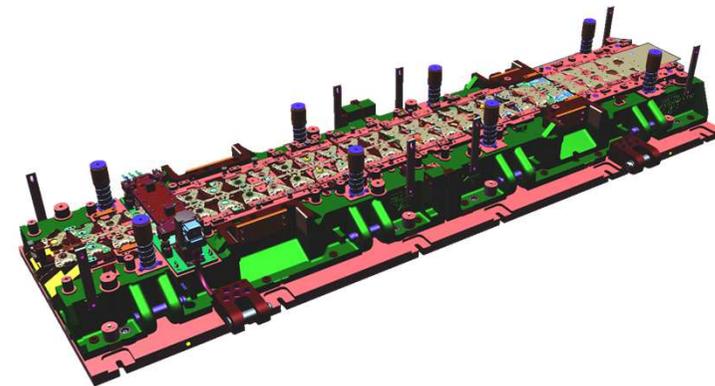
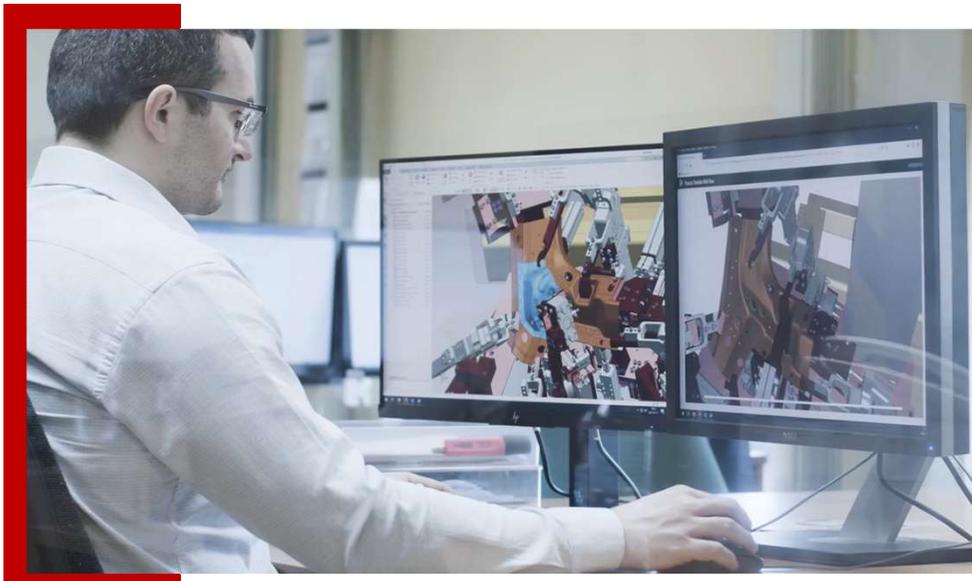
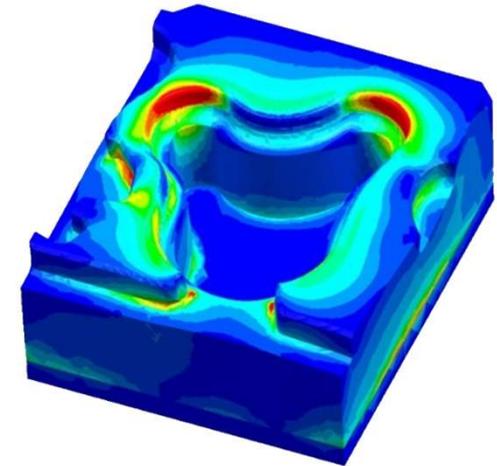
- ✓ ELEMENTS FOR AUTOMATION CELLS
- ✓ GRIPPERS FOR ROBOT
- ✓ FIXTURES

110 TOOLS BUILD PER YEARS
(INHOUSE AND EXTERNAL)



R&D AND ENGINEERING CENTER

- ENGINEERS RESPONSIBLE FOR DESIGN AND SIMULATIONS AND ENGINEERS RESPONSIBLE FOR PRODUCTION
- DEVELOPMENT OF TECHNOLOGY FOR UHSS/HSS AND ADVANCED MATERIAL FOR HOT-FORMING (UP TO 2000MPa)
- CLOSE COOPERATION WITH OEM R&D CENTRES DUE TO PROTOTYPE CO-DESIGN AND VALIDATION
- SIMULATION OF STAMPING PROCESS, AND MECHANICAL ANALYSIS OF TOOL
- QUICK DECISIONS AND VERY FAST PROCESSING OF PROTOTYPES
- DESIGN AND SIMULATION OF AUTOMATIZATION ASSEMBLY CELLS
- DESIGN TOOLS FOR COLD AND HOT FORMING, GAUGES, FIXTURES FOR ASSEMBLY OPERATIONS



WEDM - ELECTROEROSION MACHINES



MITSUBISHI MV 2400S 5 axis
Max dimensions 1050x820x305mm
Max weight : 1000kg
Precision: +/-0,001mm



MITSUBISHI FA20S ADVANCE 5 axis
Max dimensions : 1050x800x295mm
Table dimensions : 780x530mm
Max weight 1500kg
Precision : +/-0,001mm



MITSUBISHI FA10S ADVANCE 5 axis
Max dimensions : 800x600x215mm
Table dimensions : 590x514mm
Max weight : 500kg
Precision +/-0,001mm



**Electroerosion drilling machine
OCT-3525 ZA (przebijarka)**
Max dimensions : 590 x295x325 mm
Table dimensions : 600x300mm
Max weight 250kg



MILLING MACHINES CNC 5 axis - 2pcs



CNC 5 axis GS 1200 ALZMETALL

Control: HEIDENHAIN TNC 640

Table dimensions : fi 1000

Max dimensions : 1000x1200x800mm

Max weight 2500kg

Precision : +/-0,001mm

CNC 5 axis GS 1200 ALZMETALL

Control: HEIDENHAIN TNC 640

Table dimensions : 1200 x 1000mm

Max dimensions : 1000x1200x800mm

Max weight : 2500kg

Precision +/-0,001mm



MILLING MACHINES CNC 3 axis



Centrum obróbcze CNC 3 axis DMG MORI DMB 115
Control: HEIDENHAIN TNC 640
Table dimensions : 1460x750mm
Max dimensions : 1150x700x550mm
Max weight : 1500kg
Precision +/-0,001mm



Centrum obróbcze CNC 3 axis MORI SEIKI NV7000
Control: FANUC F31iA
Table dimensions : 1700x760mm
Max dimensions : 1540x760x660mm
Max weight : 2000kg
Precision : +/-0,001mm



CNC 3 axis DMC 1035V
Control: iTNC 530 HEIDENHAIN
Table dimensions : 1200x560mm
Max dimensions : 1035x560x510mm
Max weight : 1000kg
Precision : +/-0,001mm



CNC 3 axis MORI SEIKI NV5000
Control: FANUC MSX-501
Table dimensions : 1320x600mm
Max dimensions : 1020x510x510mm
Max weight : 1200kg
Precision : +/-0,001mm



CNC 3 axis MORI SEIKI NV5000 alfa
Control: FANUC 18i-MB
Table dimensions : 1320x600
Max dimensions : 1020x510x510mm
Max weight 1200kg
Precision : +/-0,001mm

MILLING MACHINES CNC 3 +2 axis



CNC 3+2 axis Nicolas Correa
Start from June 2025
Table dimensions : 2500 x 5500



LATHE



Lathe CNC 3 axis MAZAK QTN 250M

Control: MAZATROL 640
Max dimensions : fi350x500mm
Precision +/-0,001mm



Lathe FAMOT EUROPA

Max dimensions : fi200x1000mm

GRINDERS MACHINES



**Hols grinder -
Stankoimport 3A227**

Max hole dimension:
fi6-100mm
Max diameter :
fi250mm
Max length :
fi250mm



**Surface grinder -
JOEN LIH**

Maksymalny przesuw
poprzeczny i
podłużny: 330 x
700mm
Table work
surface : 310 x
660mm



Work surface :
1000 x 600mm x
310mm



Cylindrical grinder -WMW SU 200x450

Max diameter : f200mm
Max length : fi450mm
Max weight: 40kg



Surface grinder - JOTES SPD 30B

Maksymalny przesuw poprzeczny i podłużny:
1000x300mm
Table work surface: 1000x300mm



IN COOPERATIONS

Work table 6200 x 2600 x 1400



Work table 3000 x 8000



COLD FORMING PRESSES

NR	Producent	Tonnage [t]	Table[mm]
mechanical	ONA- Pres	800	288x288
mechanical	FAGOR	1500	5200X2200
mechanical	ERFURT	800	3750X2000
mechanical	ERFURT	800	4590X2190
PM397 PHS	FAGOR	1600	4000X2500



COLD FORMING PRESSES FOR TESTING



ERFURT



FAGOR



ONAPRES



PRESSES ONLY FOR TESTING



From June - 1500 TON ONAPRES - Table
2500 x 5000



800 TON ONAPRES

ROBOTIC WELDING STATION



Equipment	rotary tilt table powder coating head TIG head
Robots axis	6
Max dimension	1800 [mm]

LASER WELDING STATION - napawanie laserowe



QUALITY / METROLOGY



CMM Zeiss

Dimensions	X=700[mm]
	Y=700[mm]
	Z=580[mm]



EVO 6 4000, SMART SOLUTIONS / [1328/PM]
Zakres pomiarowy 4000 [mm]



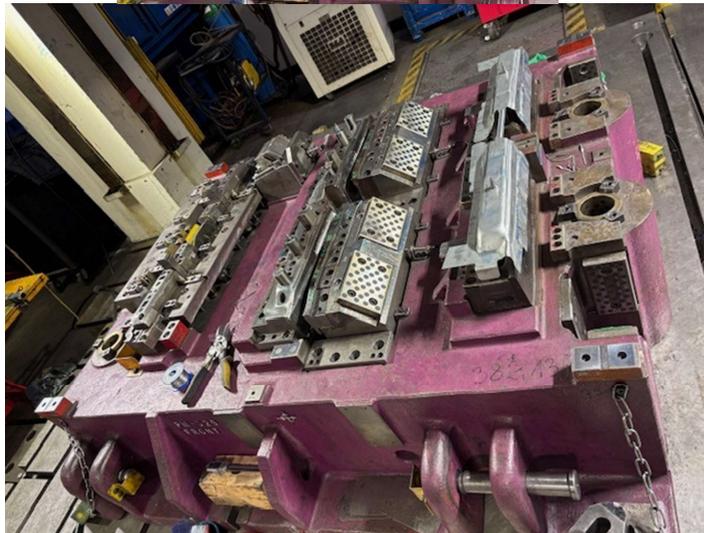
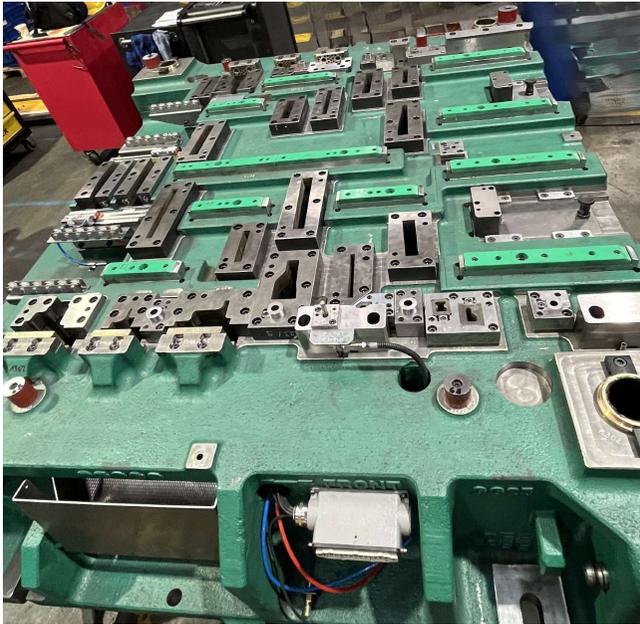
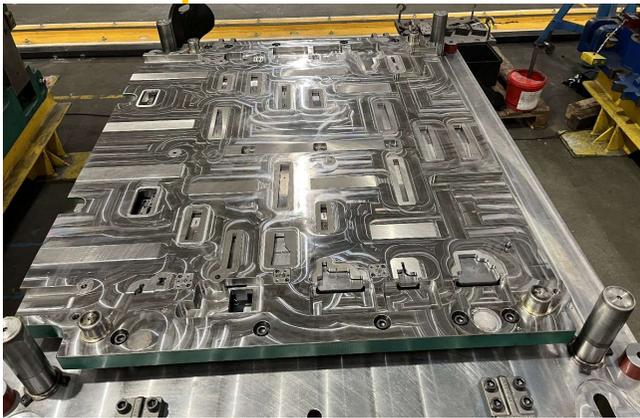
ZAKRES POMIAROWY – 5000 X 2500 X 1700 / 12000 KG
Dostęp załadunku suwnicą



Dane techniczne ATOS ScanBox 6235
Max dimension \varnothing 3500[mm]



EXAMPLES





Thank you !

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