



PiN MetalWorks sp. z o. o.

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About your Company:

PiN MetalWorks has existed since 2005. We mainly design, manufacture, automate and implement blanking dies, stamping dies, daggers and perforators for sheet metal and injection molds.

The high level of expertise and modern machinery make it possible to meet a variety of customer requirements - from simple punch holes to progressive or simultaneous dies. For the construction of tools and dies we use only the highest quality materials. In normalized elements, we are supplying the leaders of the Polish and European market for the production of normalized elements.

Equipment list:

1. CNC Milling machine - HAAS MiniMill - 1 pcs.
2. CNC Milling machine - HAAS VF-3 - 1 pcs.
3. CNC Turn machine (4 axis) - HAAS ST-10Y with livetooling - 1 pcs.
4. CNC Electroerosion WEDM - ACCUTEX 600SA - 1 pcs.
5. CNC Electroerosion WEDM - ZAP BP 05DW - 4 pcs.
6. CNC Electroerosion EDM - ZAP BP93 - 1 pcs.
7. Laser Cutting machine - GONXING GX-5050C - 1 pcs.
8. Measuring Arm - HEXAGON Absolute Arm 85 with laser scanning head - 1 pcs.
9. Surface grinding machine - 2 pcs.
10. Turn grinding machine - 1 pcs.
11. Manual milling machine - 5 pcs.
12. Manual lathe machine - 1 pcs.
13. Manual drilling machine - 1 pcs.
14. Tapping machine - 1 pcs.
15. Glassblasting machine - 1 pcs.
16. Hardness measure tool - 1 pcs.
17. Software CAD/CAM/CAE - VERASHAPE VISI 2024, list of modules:
 - Standard Prismatic CAD
 - Essential Wireframe CAD
 - Advanced Free Form CAD
 - Viewer
 - Analysis
 - Progress Blank Essential
 - Progress Blank Flange
 - Progress Blank Advanced
 - Progress Springback Solver
 - Unfolding & Strip Design
 - Mould / Progress Catalogues
 - Progress Tool Design
 - 2.5 Axis Toolpath Standard
 - 2.5 Axis Toolpath Advanced
 - 3 Axis Toolpath Standard
 - 3 Axis Toolpath Advanced
 - 4 Axis Toolpath Standard
 - 4 Axis Toolpath Advanced
 - Reverse engineering

Materials used for the production of tools:

- Mold bases / Die sets / Matrix / Punches / Pilots - 1.0570, 1.1730, 1.2311, 1.2312, 1.2738, 1.2738HH,
- Toolox33, Toolox44, 1.2162, 1.2767, 1.2379, 1.2083, 1.2085, 1.2343, 1.2344, 1.2714, 1.2714HH,
- 1.3343, 1.3355, 7022, 7075.
- Coating (cooperation) - TiN, TiCN, CrN, CrCN, Variantic, Topmatic, Exxtral, Tigral, Sistrat.
- Thermal treatment (cooperation) - hardening, vacuum hardening , tempering, annealing.

EU Projects:

P. W. PiN Sebastian Mastalerz realizes the project entitled "Implementation of innovative technologies design and production of devices and tools" as part of project 2.5 "Investment support SME sector" within the Regional Operational Program of the Świętokrzyskie Voivodship 2014-2020.

The aim of the project is to implement process innovation as a result of the purchase of new technologies and ICT solutions in order to bring a fundamental change in the manner of providing services and production process. The implementation of the project will affect the company's innovation through automation of production, efficiency and effectiveness of the design and production process and improvement the quality of tools and tooling. In addition, the effect of the project will be increase in employment in enterprise and reduction of harmful environmental impact.

We invite you to cooperate.

Michał Mastalerz - CEO

Sebastian Mastalerz - CVP