

[www.aliplastextrusion.pl](http://www.aliplastextrusion.pl)

EXTRUSION

MACHINING

POWDER COATING

ANODIZING

ALUMINIUM PROFILES

**aliplast**  
aluminium extrusion



EXTRUSION

MACHINING

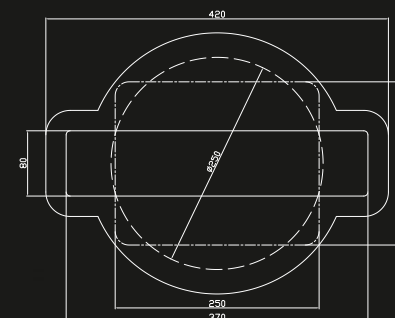
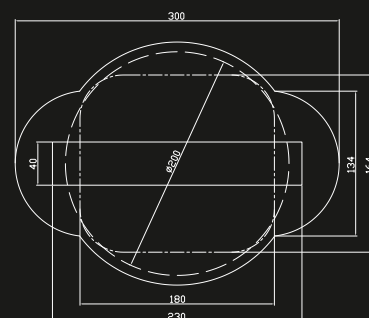
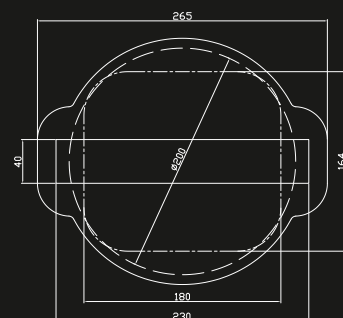
POWDER COATING

ANODIZING

# aliplast

aluminium extrusion

## PRESS CAPABILITIES



### PRESS 8"

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Aluminium alloys: EN AW 1050, 6060, 6063, 6005A, 6101

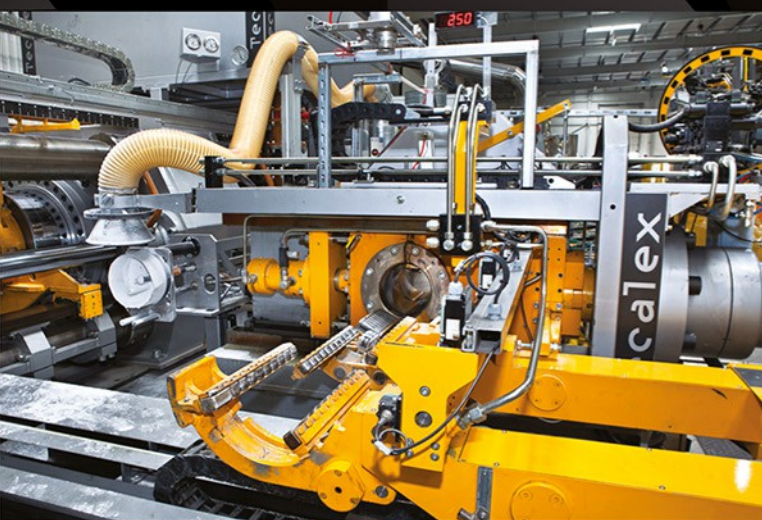
- |                              |                       |                       |
|------------------------------|-----------------------|-----------------------|
| ■ pressure:                  | 2 200 T               | 2 400 T               |
| ■ minimum weight of profile: | 0,3 kg/m              | 0,3 kg/m              |
| ■ maximum width of profile:  | 230 mm                | 230 mm                |
| ■ standard profile length:   | 4000 - 7000 mm        | 4000 - 7000 mm        |
| ■ maximum profile length:    | 7000 mm               | 14 000 mm             |
| ■ minimum order quantity:    | 500 - 1000 kg/profil  | 500 - 1000 kg/profil  |
| ■ order quantity tolerance:  | from +/-10% to +/-20% | from +/-10% to +/-20% |
| ■ minimum wall thickness:    | 1,2 - 1,5 mm          | 1,2 - 1,5 mm          |

### PRESS 9"

Aluminium alloys: EN AW 1050, 6060, 6063, 6005A, 6082, 6101

- |                              |                       |
|------------------------------|-----------------------|
| ■ pressure:                  | 2 800 T               |
| ■ minimum weight of profile: | 0,9 kg/m              |
| ■ maximum width of profile:  | 370 mm                |
| ■ standard profile length:   | 4000 - 7000 mm        |
| ■ maximum profile length:    | 14 000 mm             |
| ■ minimum order quantity:    | 500 - 1000 kg/profil  |
| ■ order quantity tolerance:  | from +/-10% to +/-20% |
| ■ minimum wall thickness:    | 1,2 - 1,5 mm          |

\* In cases of inquiries for special profiles with non-standards requirements, please contact our Aliplast Extrusion Sales Department.



## POWDER COATING

**Aliplast** has two of the most technologically advanced vertical powder coating lines in Poland, two horizontal coating lines and one for painting small accessories. The modern powder coating technology and advanced machine park allow for keeping the higher quality products that meet the quality standards and the highest customer requirements. Own laboratory provides current control of surface preparation process before coating. Production process is continuously checked by our experienced staff, in compliance with European standards: Qualicoat (licence number: 1518) and QUALIDECO (licence number: PL- 0001).

- **vertical painting line** - 200 mm x 100 mm x 7500 mm, fully automated, production line capacity: 600 - 800 m<sup>2</sup> per hour, modern and environmentally friendly
- **vertical painting line** - 200 mm x 100 mm x 7000 mm, fully automated, production line capacity: 1000 m<sup>2</sup> per hour, modern and environmentally friendly
- **horizontal painting line** - modern and environmentally friendly, fully automated, production line capacity 360 m<sup>2</sup> per hour
- **wood colour** - Aliplast Wood Colour Effect (automatic horizontal line for aluminium decoration), imitating wood structure
- **manual painting line** - horizontal, manual painting line dedicated to accesories.



We offer possibility of coating with whole range of RAL colours, special structure and metallic effect as well.

## Aliplast Wood Colour Effect

- ▶ automatic horizontal line for aluminium decoration
- ▶ productivity of 80 - 120 pieces of aluminium profiles per hour
- ▶ automatic process of film welding
- ▶ more homogenous aging process in comparison with old generation ovens
- ▶ Qualideco PL - 0001



Wood colour technology is dedicated for coating profiles and aluminium sheets. Available colours in Aliplast Wood Colour Palette Effect: golden oak, swamp oak, walnut, vein walnut, mahogany, pine, cherry, siena PL, siena rosso, beech, gold cherry, wenge.

## ANODIZING

Anodizing is one of the electroplating methods, consisting in the surface treatment of metals, i.e. in the electrolytic production of the oxide layer. As a result, we obtain: corrosion-resistant surface protection, mechanical protection of the aluminium surface, and durable decorative effect – galvanic aluminium alloys obtain a characteristic texture, and by using the electrolytic colouring process, you can obtain non-abrasive coloured coatings on the surface.

Aliplast Company has an anodizing line with a length up to 7.2m. for anodizing aluminium profiles and components, used in constructions, interior decorations, automotive, shipbuilding industries, shower cabins and furniture.

LINE  
PARAMETERS

PLATE RECTIFIERS:  
for anodizing – 4 pcs. 18 000 A, 20-24 VDC EACH  
for electrolytic colouring – 1 pce. 9 000 A, 30 VDC

COATING THICKNESS:  
5 – 25 microns

CAPACITY:  
max  
1 800 000 m<sup>2</sup>/year

## MACHINING

Aliplast Extrusion has its own fabrication department, systematically expanded and adapted to the Customers' needs. The company invests in a high technological level – state-of-the-art machining centres accelerate and streamline production processes, while maintaining high quality of services.

Aliplast Extrusion offers machining of sections on three- and four-axis machining CNC centres. The processing range at the CNC centre includes:

- milling of surfaces and holes
- milling of profiles and sheets
- threading and tapping
- engraving
- drilling
- cutting

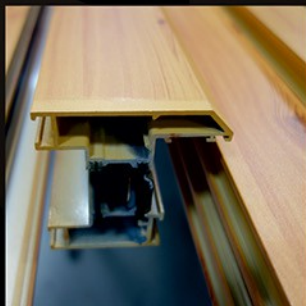
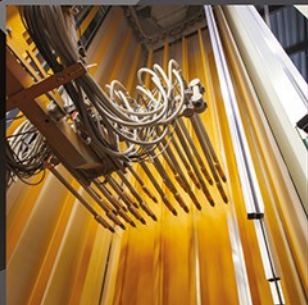
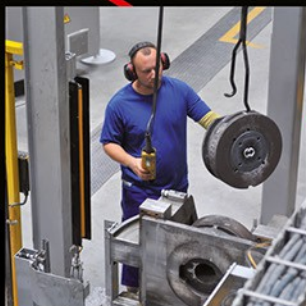
Technical data of machine tools:

- length of machined details up to 9m
- machining accuracy – 0.1 mm/m

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02.2019



**aliplast**  
aluminium extrusion

*member of*



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core innovative aluminium integrated solutions

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