vision & precision

Binder Parametric Metal – decorative metal surfaces and 3D facade elements for architecture
History – Sites

The Binder sidecar for DKW motorcycles from the 1950’s

• Since founding in 1926, continuously new, future-oriented production technologies, self-developed and optimized production systems and innovative solutions were created.

• Binder Parametric Metal GmbH is a split-off founding of the traditional company Metallwarenfabrik Reichertshofen Karl Binder GmbH, which is today a pure automotive parts supplier.

• Today different BINDER companies supply the architecture, automotive, energy and aviation industry with sheet metal parts and assemblies.
History – Binder Sites

Karlskron, Germany
Karl Binder GmbH
Binder Technologie GmbH
Binder Parametric Metal GmbH
240 employees

Gams, Switzerland
Binder Technologie AG
45 employees

Sered, Slovakia
Binder Slovakia s.r.o
180 employees

Automotive
Aerospace
Architecture
Power
Generation
Automotive
References – BINDER companies

**AEROSPACE**
ACITURRI, ALJO, DIEHL AEROSYSTEMS, GKN AEROSPACE, MAGNA, MTU AERO ENGINES, MTU MAINTENANCE

**POWER GENERATION**
ALSTOM, BHEL, DOOSAN HEAVY INDUSTRIES, DOOSAN SKODA POWER, FUJI ELECTRIC, GENERAL ELECTRIC, MITSUBISHI HITACHI POWER SYSTEMS, SIEMENS

**ARCHITECTURE**
Project based business

**AUTOMOTIVE**
AUDI, BENTELER, BMW, CONTINENTAL, DAGRO, DAIMLER, DEUTZ, LAMBORGHINI, SEAT, SKODA, VW, WOCO, ZF
Example of other products - aerospace

Part: Air Clearance Control Panel
Material: Stainless Steel

PurePower® PW1000G-Family (Airbus A320neo, Airbus A220, Mitsubishi Regional Jet)
Architecture – 3D Sheet metal facades

BINDER is creating individual customized products – designed by Binder or exactly according the design of the architects.
Feasibility studies

- Feasibility check
- Control limits of formability
- Accelerate tooling creation and product development processes
- Speed up start of production
- Cost reduction
3D Interior Design – Ceiling with Expanded Metal

Owner: Haslinger Hof
Architect: arCH-de.com
3D Interior Design – Ceiling with Expanded Metal

Owner: Haslinger Hof
Architect: arCH-de.com
Ventilated Facade

Energy efficiency by variable thickness of the insulation for thermal insulation and summerly heat protection at a ventilated 3d-facade. Mounted with standard mounting systems.
Sheet metal 3D facades – an environmentally friendly product

3D Metal sheet elements are

- 100% separately removable and
- 100% recyclable
3D Facade with Perforated Aluminium anodized

Owner: City of Lauchringen
Architect: Arnold Hermann
3D Facade with Perforated Aluminium anodized

Owner: City of Lauchringen
Architect: Arnold Hermann
3D Facade with Perforated Aluminium anodized

Owner: City of Lauchringen
Architect: Arnold Hermann
3D Facade with Aluminium Sheet anodized

Owner: Bietigheimer Wohnbau GmbH
Architect: KMB | Plan | Werk | Stadt
3D Facade with Aluminium Sheet anodized

Owner: Bietigheimer Wohnbau GmbH
Architect: KMB | Plan | Werk | Stadt
3D Facade with Perforated Stainless Steel

Owner: Bundesimmobiliengesellschaft m.b.H
Architect: Wiesflecker Architekten
3D Facade with Perforated Stainless Steel

Owner: Bundesimmobiliengesellschaft m.b.H
Architect: Wiesflecker Architekten
Products Standard

Wave

Polygone

Ridges

Unfolded
<table>
<thead>
<tr>
<th>Products Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Hillyland" /></td>
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<tr>
<td>Hillyland</td>
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<tr>
<td><img src="image" alt="Punchy Polygon" /></td>
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<tr>
<td>Punchy Polygon</td>
</tr>
</tbody>
</table>
Products Standard – Materials and Surfaces

Materials: Stainless Steel, Aluminium, Copper, Brass

### Surfaces

<table>
<thead>
<tr>
<th>Standard anodisation:</th>
<th>Other surfaces:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neutral</td>
<td>Matting</td>
</tr>
<tr>
<td>EV1</td>
<td>Polishing</td>
</tr>
<tr>
<td>Gold</td>
<td>Bronzing</td>
</tr>
<tr>
<td>G1A</td>
<td>Brushing</td>
</tr>
<tr>
<td>EV2</td>
<td>Etching</td>
</tr>
<tr>
<td>Gold</td>
<td>Powder coating,</td>
</tr>
<tr>
<td>EV3</td>
<td>RAL and</td>
</tr>
<tr>
<td>Bronze</td>
<td>other colour</td>
</tr>
<tr>
<td>C31</td>
<td>palettes</td>
</tr>
<tr>
<td>C32</td>
<td></td>
</tr>
<tr>
<td>C33</td>
<td></td>
</tr>
<tr>
<td>C34</td>
<td></td>
</tr>
<tr>
<td>C35</td>
<td></td>
</tr>
</tbody>
</table>

Any other colours are also available – anodized or powder coated.
The BINDER workflow

3D facades created by

- Reception of customers project information (affected building)
- Reception of a 3D model of the building (envelop only)
- BINDER prepares 3D design suggestions with BINDER designs or with ideas of the architecture by creation of 3D renderings with options if requested.
- BINDER submits proposals for discussion and as a decision base for the customer and end-customer.
- Feasibility study.
- Production of 3D façade elements.
Standards Renderings
Standards Renderings
Customized Renderings
Customized Renderings
Exhibition booth at BAU in Munich 2017
NEW Exhibition booth at BAU in Munich 2019

Please stay in contact with us for your future projects.

You are warmly welcomed to visit us in our factory in Germany or during coming event BAU Munich 2019 – 14.-19. JAN 2019.
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