

POLYVERIX

GROUP OF COMPANIES



Marwa Tools AG
Glattalstrasse 525
CH - 8153 Zurich-Rumlang

www.marwa-tools.ch



Ammer AG
Glattalstrasse 525
CH - 8153 Zurich-Rumlang

www.ammer.ch
(new website under construction)



H + G Meister AG
Kantonsstrasse 81
CH - 8807 Freienbach

www.hgmeister.ch

POLYVERIX Group of Companies

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Marwa Tools AG

- ...



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MARWA TOOLS AG

Ammer AG

- ...



POLYVERIX
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H + G Meister AG

- ...



POLYVERIX
H + G MEISTER AG

POLYVERIX Group of Companies

Family-owned group with industrial holdings, real estate activities and long-term value orientation.

Marwa Tools AG is the technical manufacturing company within the group relevant for this meeting.

Group profile

- Second-generation family business
- Industrial participations in Switzerland
- Self-financed, long-term investment approach

Industrial companies

- Marwa Tools AG: precision tools and engine components
- AMMER AG: injection-moulded products for electrical installation industry
- Production site concentrated in Zurich-Rümlang

Operating mindset

- Sustainable and fair partnerships
- Social responsibility and inclusive employment philosophy
- Short decision paths through owner-family management

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GROUP OF COMPANIES

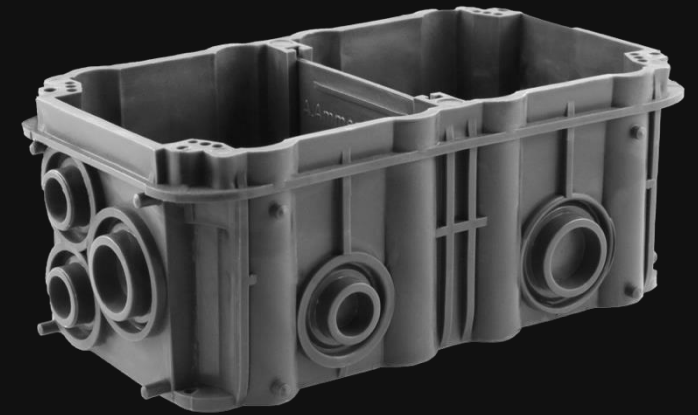


AMMER AG

Plastic injection molding and electrical products

Swiss Made

Family-owned • the highest quality • honest partnerships • long-term value



www.ammer.ch



We manufacture high-quality electrical supplies for the wholesale market, including our well-known flush-mounted boxes and cover plates. Our products meet the highest standards and are 100% Swiss-made. Everything is manufactured, packaged, and shipped to wholesalers on-site.

Inclusion is part of our identity: Since the 1980s, we have given people with disabilities a permanent role in our daily work—putting responsibility into action rather than just making promises.

TEAM

Management:

Christian Fokas
CEO & member of owner family
christian.fokas@polyverix.ch

Daniel Fokas
CEO & member of owner family
daniel.fokas@polyverix.ch

Production:

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Production
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Three Core Product Groups

Focus areas



1 | Pattress boxes

- The proven junction box for every type of wall. The robust design means that the boxes are ideal for concrete construction.
- All boxes meet the glow wire test (GWT) up to 850°C according to EN 60670. They are thus suitable for concrete, masonry as well as wooden and hollow walls.



2 | Junction boxes

- The tried and tested junction box for every type of wall. Their robust design makes the boxes ideal for concrete construction. Thanks to their large installation depth, the large volume and the high number of pipe feedthroughs, they leave plenty of room for installations.
- All boxes meet the glow wire test (GWT) up to 850°C according to EN 60670.



3 | Plates

- Different plates for a multitude of applications.
- We can manufacture the boxes in a variety of other colours and can also inscribe the lids.



H + G MEISTER AG

Investment and real estate company

Swiss + Greece

Family-owned • corporate investments • real estate projects • asset management

www.hgmeister.ch



Family-owned company with investments in sustainable industrial projects and high-quality real estate in Switzerland and Greece.

We are a second-generation family-owned company characterised by a clear focus on sustainable, profitable growth, long-term value and social responsibility. Our investments, activities and principles reflect our belief that economic success must go hand in hand with strong partnerships and social commitment.

CONTACT

Management:

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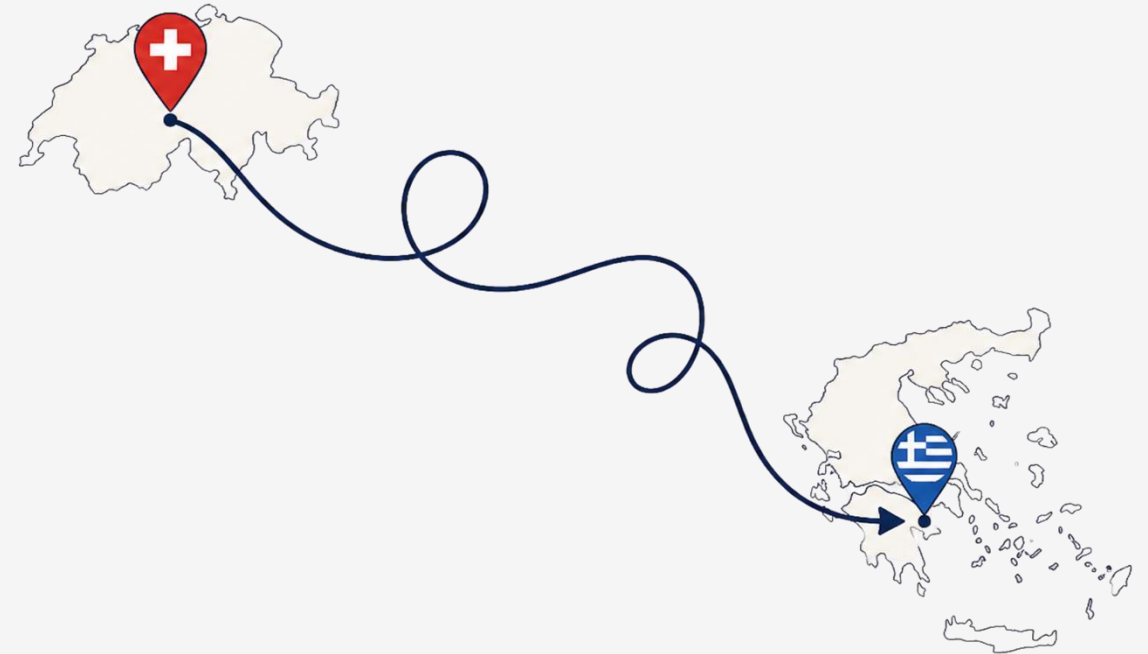
Christian Fokas
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Switzerland

- 20 rental apartments Zurich-Altstetten
- Commercial property Ruemlang. next to Zurich Airport

Greece

- Retail, commercial and business space in Athens – Glyfada district, Vouliagmenis Avenue
- Office Space Athens – Katechaki district, Andersen Street
- Retail shop in Kerkyra / Corfu (Corfu Island, Ionian Sea)



The Core Project

New Apartments in Zurich Altstetten



Rental apartments (Zurich-Altstetten) 2027

Development in the vibrant, trendy up-and-coming district of Zurich-Altstetten at 11 Eugen-Huberstrasse (3 buildings, a total of 20 rental apartments of various sizes and in owner-occupied quality)

- Centrally located (wide range of shops, restaurants, bars, hotels, cultural- and sports facilities) yet quiet
- Excellent public transport links to Zurich city centre (10 minutes) and Zurich Airport (20 minutes)
- Net lettable area: 1,800 m²
- Land area: 1,840 m²
- Complies with Swiss building standards for comfort, efficiency, and climate protection: MINERGIE-P-Eco (highest level)

Completion: Spring 2027



MARWA TOOLS AG

Precision manufacturing, reverse engineering and high-performance engine components

Our mission statement: Precision is our passion!

Swiss Made

Family-owned • short decision paths • quality-sensitive niche markets



www.marwa-tools.ch



In 2022, the production facilities of H&G Meister AG (manufacture of marine engine components) and Marwa Tools AG were merged. Production now takes place exclusively in the Group's own commercial property in Zurich-Rümlang.

Both companies have over forty years of experience in their respective main markets as high-quality and flexible manufacturers with a well-established supplier and customer network.

Currently (year 2026), around 12 motivated team members work in the production, shipping and administration departments.

Highly trained and very experienced production specialists who find a solution for (almost) all technical challenges that our customers present us with, ensure high-quality and punctual deliveries.

Our mission statement: Precision is our passion!

TEAM

Management:

Daniel Fokas
CEO & member of owner family
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Christian Fokas
CFI & member of owner family
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Kevin Koller
Production, Engineering, Quality Management
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Marwa Tools AG at a Glance

Technical profile and operating footprint



POLYVERIX
MARWA TOOLS AG

Positioning

- Part of the POLYVERIX group of companies
- Merged production setup of H+G Meister AG and Marwa Tools AG since 2022
- Own production site in Zurich-Rümlang, Switzerland

What differentiates Marwa

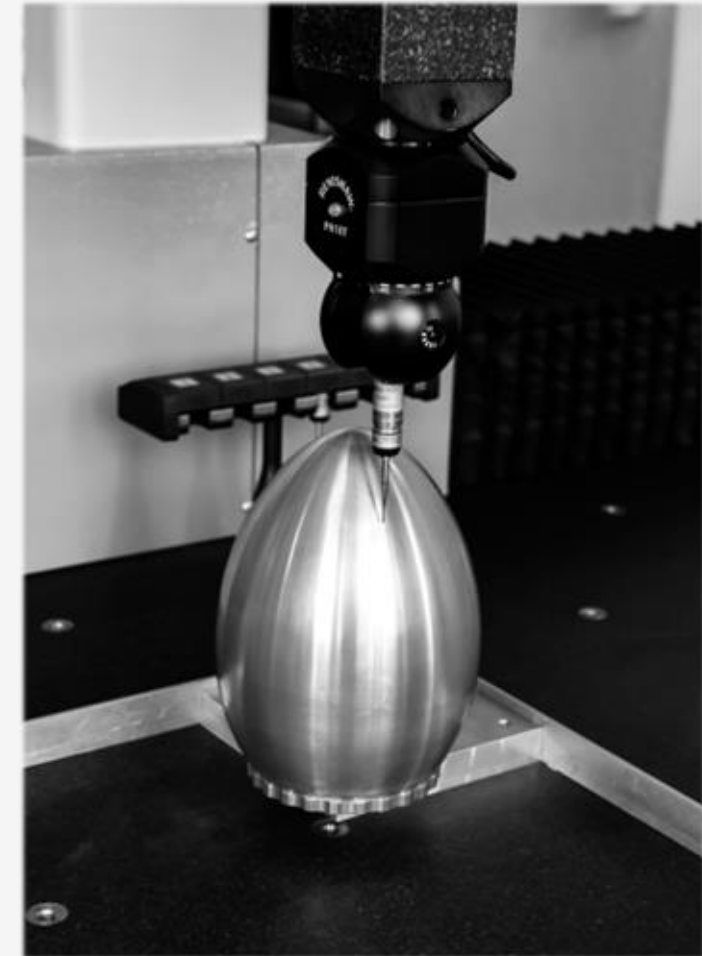
- Highly precise mechanical components for leading European tool and machine manufacturers
- Critical gas and diesel engine parts for maritime and stationary applications
- Flexible subcontracting, assembly, pressure/function testing and engineering support

Precision backbone

- Threading units for turning/boring tools with tolerance ranges of up to 4–6 μm
- Measuring microscope accuracy: 2 μm
- 3D measuring machine with probe-based inspection for complex parts

Mission statement:

“Precision is our passion!”



Three Core Product Groups

Focus areas



1 | Special tools & proprietary developments

- Supplier to leading machine-tool manufacturers
- Examples: scale rings and sleeves, clamping sleeves, bearing caps, fine-adjustment knobs, deburring tools
- Includes proprietary development such as ZENTROFIX© zero-sensor for tool machines



2 | Tool adjustment units for boring heads

- Threading units for turning/boring tools
- Mechanical and digital control applications
- Ultra-precision capability in the range of approx. 4–6 μm



3 | Gas / diesel engine & common rail components

- 4-stroke gas and diesel engine parts such as pre-chambers, valves, valve seats/heads, extension sleeves and supply lines
- Fuel-system parts such as high-pressure connecting pipes, control rods & sleeves and baffle screws
- Common rail individual parts including tappet washers, rail plugs, adapters, cartridges and retaining nuts



Reverse Engineering & Precision Execution

From unknown part to validated production data



Reverse-engineering competence

- Material specification and surface determination
- 3D measurement-supported generation of production data
- Optical / video microscope inspection for complex parts
- Assembly plus pressure and function tests

Typical customer value

- Support when legacy parts, drawings or specifications are incomplete
- Fast path from sample part to reproducible series manufacturing



The Machinery Pool

CNC - Turning

NLX-2000

- Rod diameter Ø 65 mm
- Turning length 300 mm
- Rotation range Ø 4-220 mm
- Counter spindle
- Driven tool
- Y-axis
- Bar feeder 1 m



NL-1500

- Rod diameter Ø 52 mm
- Turning length 250 mm
- Rotation range Ø 4-180 mm
- Counter spindle
- Driven tool
- Y-axis
- Bar feeder 1 m



SL-154

- Rod diameter Ø 42 mm
- Turning length 180 mm
- Rotation range Ø 4-180 mm
- Counter spindle
- Driven tool
- Bar feeder 1 m



The Machinery Pool

CNC - Turning



POLYVERIX
MARWA TOOLS AG

AL-2

- Bar diameter Ø 40 mm
- Turning length 500 mm
- Rotation range Ø 4-250 mm



SL-00

- Bar opening Ø 25 mm
- Turning length 300 mm
- Rotation range Ø 4-160 mm



SC-300L

- Turning length 500 mm
- Rotation range Ø 4-450 mm
- Counter spindle



The Machinery Pool

CNC - Turning



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MARWA TOOLS AG

Schäublin 110 CNC

- Bar opening Ø 32 mm
- Turning length 300 mm
- Rotation range Ø 4-150 mm
- Driven tool
- Bar loader 2.5 m
- Pneumatic chuck



The Machinery Pool

CNC – Milling + Laser Labeling

Hermle C800U

- 5-Milling center
- X-axis 800 mm
- Y-axis 600 mm
- Z-axis 500 mm



DMC 1035 V

- X - axle 1035 mm
- Y-axis 560 mm
- Z-axis 510 mm
- Partial apparatus



Acsys Barracuda

- Dividing head
- Tempering colors
- Leave aluminum black
- 3D engraving
- Laser range 500 x 1000 x 800mm



The Machinery Pool

Measuring Equipment

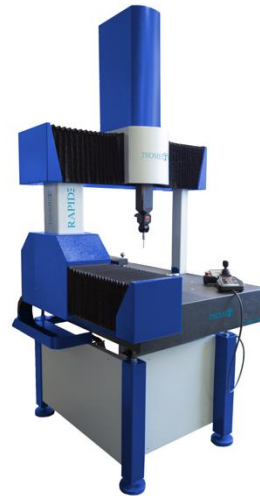
Measuring microscope

- Dynascope Hawk
- Measuring range 200 x 150mm
- Up to 1000x enlargement
- Measuring accuracy 2 μ m



3D-Measuring machine

- Thome Rapid CNC
- Measuring range 700 x 500 x 500 mm
- Measuring accuracy 0.012 mm
- Renishaw PH10T probe





Key Takeaways for ...

- Marwa Tools AG combines ultra-precision tooling capability with demanding gas/diesel and common rail component manufacturing.
- The company offers not only serial production, but also reverse engineering, testing and technical problem-solving for complex parts.
- Owner-managed structure, Swiss manufacturing base and strong quality infrastructure support reliable collaboration in niche, quality-critical applications.

Thank you.

Further technical details can be expanded live during the meeting.

Technical meeting with PTT

April 2nd 2026



Opening

From our perspective, the most effective way to structure today's discussion:

- clarify the technical points
- open questions for each part
- discuss samples, test scope and timing

Today's objective

- common technical understanding
- clarity on the sample and test phase
- rough roadmap for the next steps

POP-001-5 / POP-004-5A

Parts quoted separately because they were requested separately. It was clear for us - based on drawing POP-004-5A - that both positions are functionally linked and need to be matched / fitted together.

This assumption was already considered in our evaluation and calculation.

ISP-001-2

In this case, we did not have a drawing or any document that clearly allowed us to identify a matching part or a specific assembly situation. So, the technical basis for our costing was less complete here.

Samples

...would allow us to assess the actual machining effort on a much more solid basis

- surface treatments
- grinding patterns
- surface textures
- potential risks and possible optimization potential

Sample quantities

16 – 24 pcs / part

we understand from a testing perspective that one or two cylinders will be fitted based on a sample or pre-series setup:

- the pricing structure for that phase will naturally differ from a later serial production setup.

Technical meeting with PTT

April 2nd 2026



Test phase

Our understanding:

- Samples would be tested both on internal specialized test benches and in the engine itself.

Structure of test phase in common sequence / align on a structured test plan with milestones:

- sample delivery
- installation in test bench or engine
- defined test duration
- joint evaluation of the results,
- decision on the next steps towards series production

Nitriding

These treatments are outsourced by us. We work with highly experienced and well-established partners in Switzerland.

Closing

- Samples: define qty's and send samples
- Align structured test plan with milestones
- Reassess technical + commercial side (NDA if required)

Other things:



Thank you!

For the whole presentation scan here.



You'll find the whole presentation on the download link on our QR website link.