

Company & Services

Georg Martin GmbH

We are your partner for precision



Key Information

GEORG MARTIN

Key information 2016

- Established in 1945
- Family owned
- Location: Frankfurt/Germany
- 100 Employees
- 11,2 Million € sales volume
- Est. 13,5 Million € in 2017

Laminated shims since 1956



Certificates and Customer Approvals



Certifikates:

- DQS
- EN 9100
 - ISO 9001: 2008
 - ISO 14001: 2004

Customer Approvals:

- AIRBUS GROUP (PFC) IPCA+ result 95%
- UTC
- Rolls Royce
- SAFRAN Group
- Airbus Helicopters
- Bombardier Aerospace

No customer > 10 % of turnover
20 customers = 50% of turnover
800 active customers in 2016

Product specifications:

ABS1507, ASNA0115, LN29557,
AMS-DTL-22499, MIL-DTL-22499

Services and Abilities



- Design consultancy
 - Built – To – Print
 - Collaborative product development:
light weight design with hybrid parts
 - Proactive product development (shims)
 - Own tool-making (CAD + CAM)
 - Lot sizes 1 to 500,000 p.a.
 - Customized kitting, EDI, VMI, ...
 - Surface and Heat treatment
with partners
-
- Lean manufacturing consulting:
“How to save time and money with shims”

Sub-Assemblies



Paper gripper

Suction roll ring

Center wheel with cap

Fixation plates

Printing industry

Printing industry

Automotive

Aircraft Interior

Achievement

Achievement

Achievement

Achievement

Collaborative re-design: to reduce weight and cost.

Collaborative re-design: parts were milled out of the block before:
Weight & cost reduction.

Design simplification for low volume p.a..

Aluminium bending with riveted nut plates.

Critical: conceived to always stay in position during operation

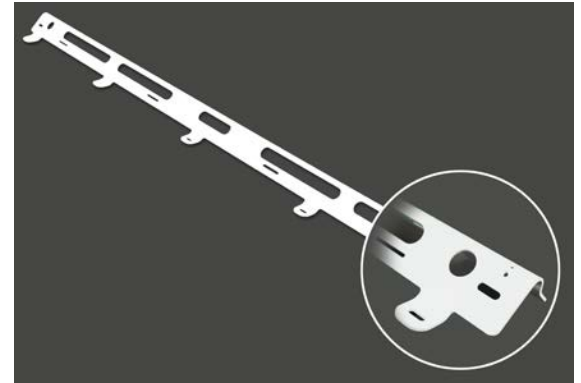
Critical: tightness for suction function

From deep-drawn 1 piece to 2 parts, assembled by brazing.

Maximum length 1022 mm.

In-house forming and assembly.

Components



Protective ring	Protective cap	Fixation plate
Helicopters	Ship building & automotive	Aircraft interiors
Significant aspect	Significant aspect	Significant aspect
12 pcs/p.a. Combination of deep-drawing & laser cutting & bending Diameter = 260 mm	100 to 300.000 pcs/p.a. Manual single production / hydraulic press Diameter = up to 230 mm	120 pieces p.a. Bent and formed aluminum alloy. Length 1000 mm.

Punching and bending process



Aircraft Construction

Cabin area and chassis*

Significant aspect

Cutting, bending, deep-drawing, several assembly methods

Length max. 1020 mm

Bending max. 36 tons; Deep drawing 160 tons hydraulic; Punching 120 tons mechanical

(*similar to the above drawing)

Shims



Peelable, Laminated	Solid	Edge welded	Solid Tapered
All industries	All industries	All industries	All industries
Advantages	Advantages	Advantages	Advantages
<ul style="list-style-type: none"> - One flexible part - Metal & plastic - Sealing function - 0.01 – 0.1 mm precision - Size range 4 - 1200 mm 	<ul style="list-style-type: none"> - Resistant - 0.005 - 10.0 mm - Size range 3 - 2000 mm - Grinded - Assortments & kitting - Metal & Composite 	<ul style="list-style-type: none"> - Like a mini - assembly kit (thick & thin) - Very easy to peel - Re-use of released foils - High temperature - Min. 0,005 mm 	<ul style="list-style-type: none"> - Ideal solution for conical gaps

**M-Tech[®] Competence
in Service, Design and
Consultancy.**

**MARTIN[®] - Your Partner for
Precision.**

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