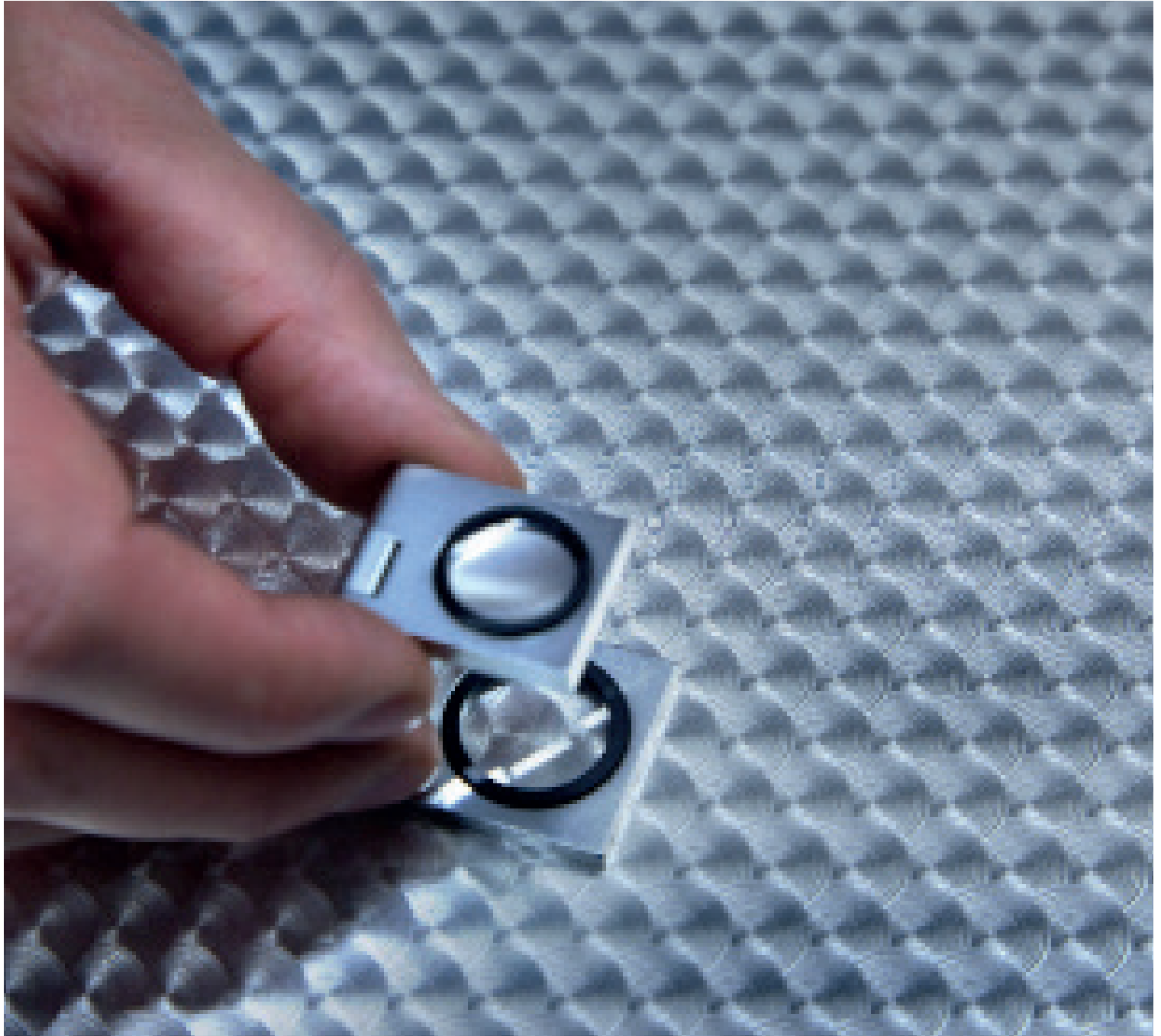




Rolling Plant



AUTOMOTIVE

From semifinished product to ready-to-assembly component

One of the outstanding strengths of Martinrea Honsel Rolling Plant is the development expertise that we have already proved in a lot of projects with our customers. With individual solutions for the automotive industry we meet the specific requirements of our customers in direct agreement. We are at your disposal for consulting services regarding development and prototyping.

Besides the design of the product, the choice of appropriate material and process is a necessary pre-requisite that the finished product meets the requirements on mechanical properties, dimensions and surface at a reasonable price.

Our product range covers samples as well as series products.

Product range Automotive

	Aluminium Coils	Aluminium Plates
Thickness	0,4 - 2,2 mm	
Width / Ø	max. 1.250 mm	
Length		max. 3.500 mm

Surfaces:

bright rolled

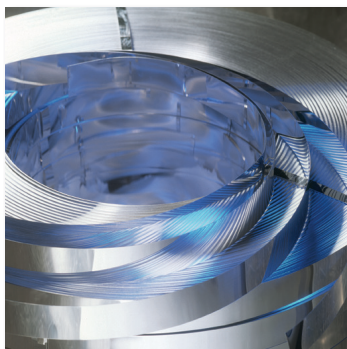
Surface protection:

protective and deep-drawing film –
also double sided

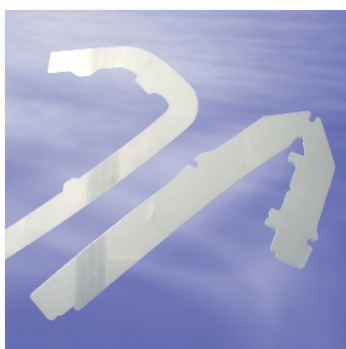
Surface treatment:

anodising, embossing, etching

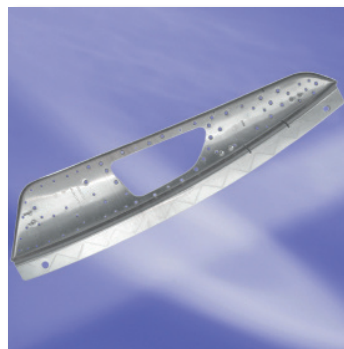
Product examples



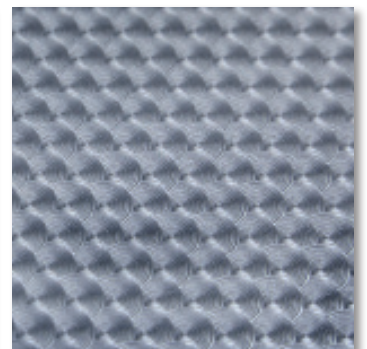
Coils in bright rolled
quality
Thickness 0,4- 2,2 mm
Width up to 1.250 mm



2D stamped blanks for
exterior application



3D blanks with imprint
bolts for interior
application



Embossed surfaces
Thickness 0,5- 1,2 mm
Width up to 610 mm

Machinery equipment

With high-performance excenter and hydraulic presses, we have the capability to produce coils of up to 990 mm width. Up to 400 tons stamping forces and mounting space of up to 2.500 x 1.300 mm allow the production of large components. We have several hydraulic and excenter presses available.

Materials

Alloys according to EN 573	
Numerical	Chemical symbols
Bright finishing alloys	
EN AW-1080A	Al99,8(A)
EN AW-1090	Al99,90
EN AW-5505	Al99,9Mg1
EN AW-5657	Al99,85Mg1(A)
EN AW-5205	Al99,7Mg0,8Cu
Pure aluminium	
EN AW-1050A	Al99,5
EN AW-1070A	Al99,7
Non age hardening alloys	
EN AW-3103	AlMn1
EN AW-5005	AlMg1
EN AW-5754	AlMg3

Mechanical properties:

DIN EN 485-2

Chemical composition:

DIN EN 573-3

Deviation limits and dimensional tolerance:

DIN EN 485-4 for cold-rolled products

Material inspection:

DIN EN 10204

Material certificates:

Certification of compliance with the order 2.1

Test report 2.2

Inspection certificate 3.1

Inspection certificate 3.2

Certificates:

ISO 9001

ISO 14001

IATF 16949

ISO 45001

DIN EN ISO 50001

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