

RANGE OF SERVICES AT KSI



Extensive additional services around the coating

- seam sealing
- assembly sizes, press bushings,
- special packaging also for spare parts,
- paint stripping,
- Sand Blasting,
- complicated masking,
- cavity sealing,
- logistics and storage.



Paint testing in our own laboratory

- Quality assurance during the series production
- Coating thickness determination
- Optical assessments:
 - Gloss degree measurements
 - Color measurements
- Tests for high quality standards from OEMs



Issuing of test reports

(EMPB) und factory certificates

Mechanical tests

- Cross-cut test
- Pencil hardness
- Impact test
- Mandrel bend
- T-bend test



Corrosion tests

- Salt-spray mist resistance
- Condensation-fluctuating climate
- Condensation-steady climate test
- Resistance in water immersion
- Weather-resistance and QUV test



K S I

**Your Partner :
Competence, Service
and Innovation**



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For further question please contact the KSI sales team.
We look forward to assisting you!



KLAUS STAHL
INDUSTRIELACKIERUNGEN GMBH

RANGE OF SERVICES

*Coil Coating
Powder Coating
E-Coating
Pad Printing*



KSI offers

Coil Coating

Over 40 year's experience in Coil Coating and sheet coating in extraordinary dimensions. We offer coils, sheets, blanks free delivered out of one hand.

Highly effective	Coatings with high quality top coats from matt to high gloss. Reverse side. Backup coatings and Primer as bonding agent.
Reproducible	Coatings have a constant high and at any time high reproducible quality, regardless of the production lot.
Corrosion resistant	A high quality chemical pretreatment ensures optimum paint adhesion and thus ensures durable corrosion protection.
Weatherproof	Coil Coating paints are among the highest quality and most UV-resistant coating systems with color resistance.
Further processing	Coil Coated Aluminium Coils can be further processed in all common processes, e.g. stamping, bending, deep drawing, roll forming, embossing, lock welding etc.

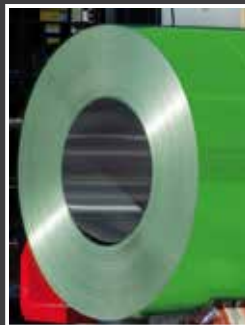
Coatings

We coat in all standard coating systems, such as acrylic, polyester, PVdF and Primers like Epoxy.

Gloss level: from matt to high gloss

Colors: adjustable to RAL, Pantone, NCS, Sikkens as well as special requests

On request, with high-quality removable protective film approx. 80 µm, if required also in UV-resistant design.



Dimensions

	Width	Thickness	Length
Alu Coils	2.000 - 2.630 mm	0,5 - 2,0 mm *	*
Sheets	2.000 - 2.630 mm	2,0 - 3,5 mm	13.500 mm

Maximum Coil weight: up to 5.5t Inner diameter: 600 mm
Alloys: AA 3xxx und AA 5xxx
Cutting-to-length: We cut coils into sheets in the desired lengths on request

*small quantities from 150 m on request



CDP Cathodic Dip Painting

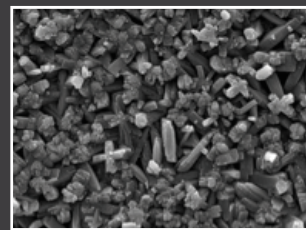
Pretreatment: The alternative to Sand Blasting: derusting, descaling Zn phosphating

Coating: highly resistant EP (thick film possible on request)

Coating of automotive parts, construction industry, cast iron, locksmith, lasered steel parts, mechanical engineering, and welding parts

Size:

Up to 2.200 x 1.200 x 1.700 mm
Up to 1,0 t



Powder Coating

Pretreatment: Zn phosphating for FE/Zn chromium-free pretreatment for aluminum

Coating: PE, EP, Powder Mix, from matt to high gloss and structured finishes

Coating of parts for Automotive, building industry, mechanical engineering, solar industry, Locksmith's products, agricultural machinery and commercial vehicles.

Size:

up to 8.500 x 2.200 x 850 mm
up to 400 kg

Since 2016 – zinc phosphating for powder coating

- One single pass. This will shorten the delivery time
- Integrated stain in the degreasing
- Materials: Zn, St
- High corrosion protection requirements are met
- Low Cost Alternative



Powder Coating in special sizes:

Supplement to automated systems for expanding the product portfolio

Pretreatment:

Zn-Phosphating
FE-Phosphating,
solvent degreasing

Coating: PES, PUR, EP, and more, from very dull to high gloss, smooth to coarse structured, brilliant metallic

Coating of parts for Automotive, building industry, mechanical engineering, Locksmith's products

Size:

Up to 12.000 x 1.500 x 2.300 mm



Pad Printing

Printing of coated materials in pad printing process

The combination of different coating processes from a single source:

Multicolor in one piece, primer, topcoat, wiping in wet paint, anti-slip coating