

HLH SURFACE FINISHES: SHEET METAL

All processes are done in-house - this includes the surface finishing of your custom sheet metal parts. Discover the range of surface finishes that can be applied in this sheet.

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This list features common sheet metal finishes. For other custom finishes such as plating and more, please contact us at info@hlhrapid.com.

Oxidation

Oxide coatings protect the metal from corrosion and are used for decorative purposes and as electrical insulation.

Notes

Material Compatibility	Stainless steel, copper alloys, mild steel, tool steel, etc.
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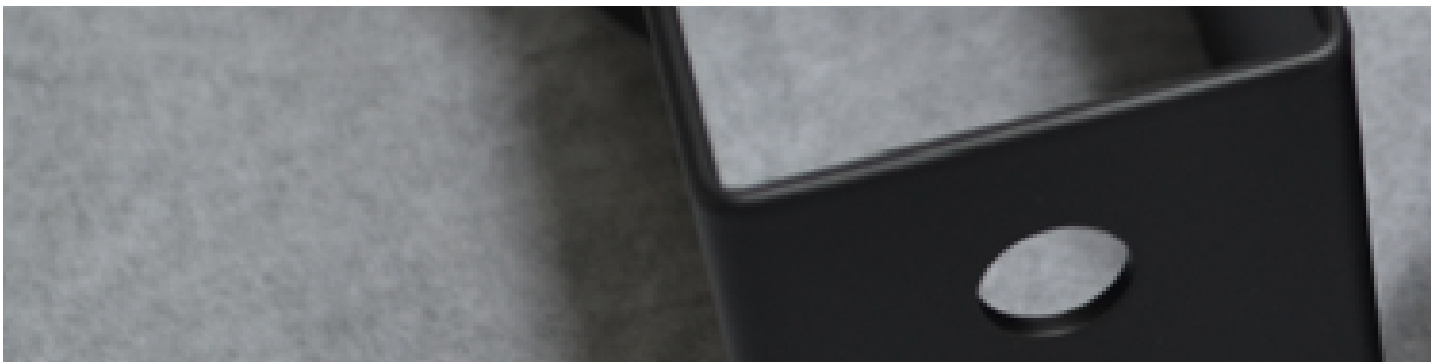
Example of aluminium part with oxide coating

Painting

Painting is a well-known way to add colour and improve the aesthetics of vacuum casted parts.

Notes

Color	Black, Pantone/RAL colours
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Example of spring steel part with a painted finish

Polishing

Polishing is often used to enhance the appearance of a part, prevent contamination, remove oxidation, create a reflective surface, or prevent corrosion.

Notes

Results in shiny appearance



Example of metal part with a polished finish

Powder Coating

Powder coating is usually used to create a hard finish that is tougher than conventional paint. It is used for both functional and decorative purposes.

Notes

Color	Black, Pantone/RAL colours
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Example of low carbon steel part with a powder coated finish

Smoothing

Smoothing via hand sanding or manual sanding is a great option for evening the surface of small individual parts.

Notes

Color

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Example of 45 steel part with a smooth finish