

Zirconium / Zr 702

Zirconium has a passivating oxide layer (ZrO₂), which renews itself on contact with aqueous media keep telling yourself. Among other advantages, features zirconium Zr702 resistance to almost all organic acids, mineral acids and alkaline solutions. Zirconium 702 is good for welding and fully recyclable. At low temperatures, it is also very ductile.

Gehe zu +

Material Data Sheet

Material Designation	Zr 702
DIN/EN	Zirkonium
UNS	R 60702
VdTÜV Data Sheet	480

Main fields of application of Zr 702

Zr702 zirconium is used in chemical plants in valves, pipes, heat exchangers and pumps. These systems are, for example, apparatus for the production of acetic acid, hydrochloric acid or urea. Even in the medical field Zr702 is used because it is biocompatible and shows no toxic effects. Another application of zirconium 702 is the nuclear technology.

Chemical composition of Zr 702

Zr + Hf min. %	Hf max. %	Fe + Cr max. %	H max. %	N max. %	C max. %	O max. %
99.2	4.5	0.2	0.005	0.025	0.05	0.16

Characteristics of Zr 720

Temperature Range	Material for wet corrosion
Melting Range	1852°C
Density	6,51 g/cm ³

Filler metal (for welding with Zr 702)

Matching welding consumables should be used. Quality 4.8 of welding gases (eg argon with a purity of 99.998%) are recommended.

Delivery program

Sheets / Plates mm

4 - 13

Precision strip mm

0.2

With short delivery time:

plates or sheets, tubes, flanges, forged or die-cut rings and round blanks, elbows, T-fittings, reductions, screws, nuts or washers according to your request. According to your individual wishes, we are able to cut our material with our plasma- or water jet cutter. Our material is stocked in superformats of 2000x6000mm. Cut to size on request.

Material Outlet by Hempel

ECONOXX.com offers buyers a new and uncomplicated procurement channel, which also includes small quantities and materials in special alloys at favourable conditions.

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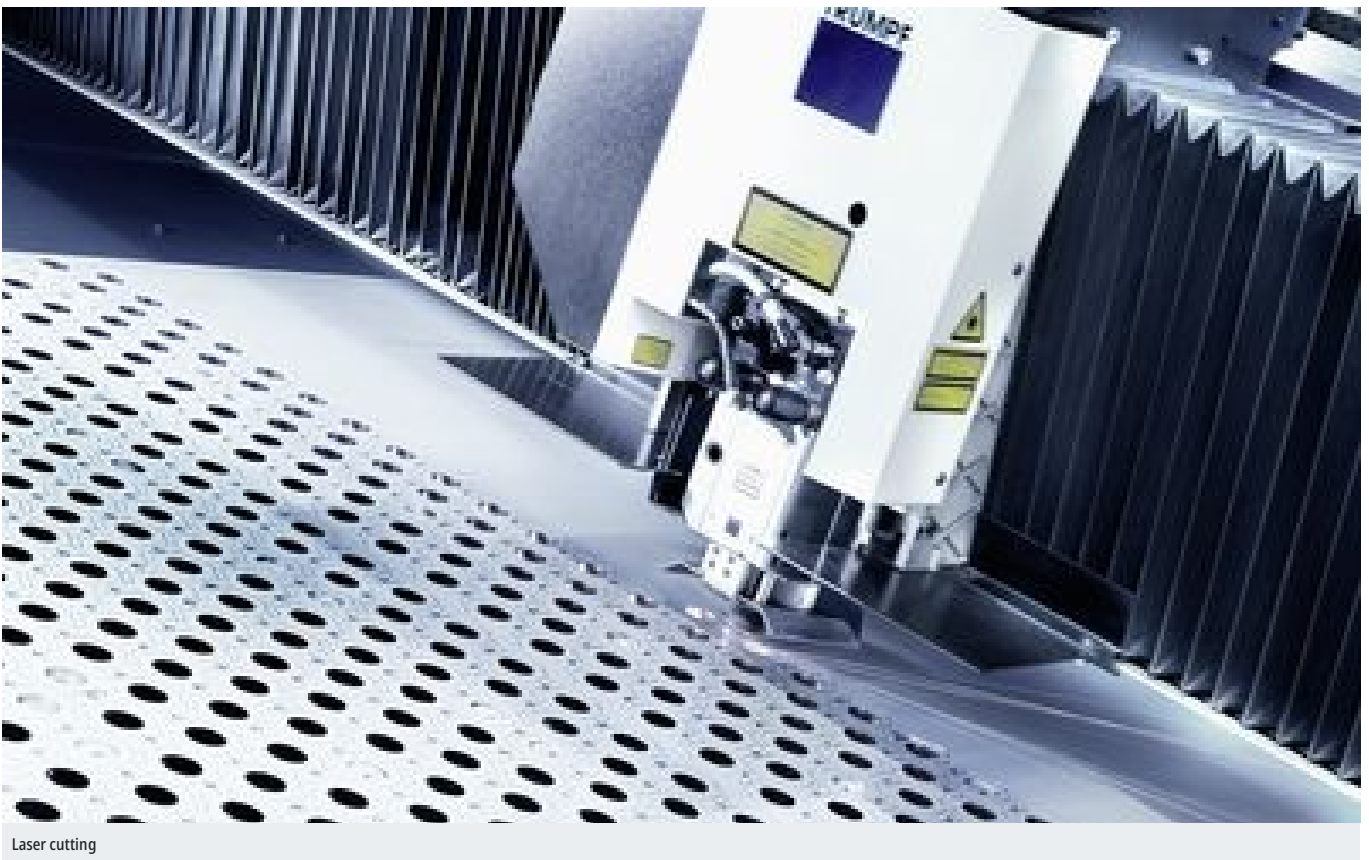
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