



HIGH-PRESSURE PISTONS

HIGH-PERFORMANCE CERAMICS

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HIGH-PRESSURE PLUNGERS

Pistons made of F99.7, FZT or FZM ceramics are used to transfer media ranging from liquids to high viscosity substances, even with an abrasive filler. The ceramic high-performance pistons and plungers are also exceptionally well-suited for extreme-pressure applications, such as water-jet cutting. High resistance to wear and optimal sliding properties ensure a long operational life.



We supply suitable materials in the required dimensions for all individual applications.



FIELDS OF APPLICATION

- ▶ Water-jet cutting lines
- ▶ Desalination units
- ▶ High-pressure lines
- ▶ Recirculation systems for
 - filtration
 - cooling
 - flushing

BENEFITS

- ▶ Extreme resistance to wear
- ▶ Optimal sliding properties ($R_a < 0.05 \mu\text{m}$)
- ▶ Pressure resistance of up to 10,000 bar
- ▶ Runtime of more than 2,000 h at 3,000 bar
- ▶ Lighter than metal/tungsten components



Source: Jet Cut Power GmbH, Switzerland



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