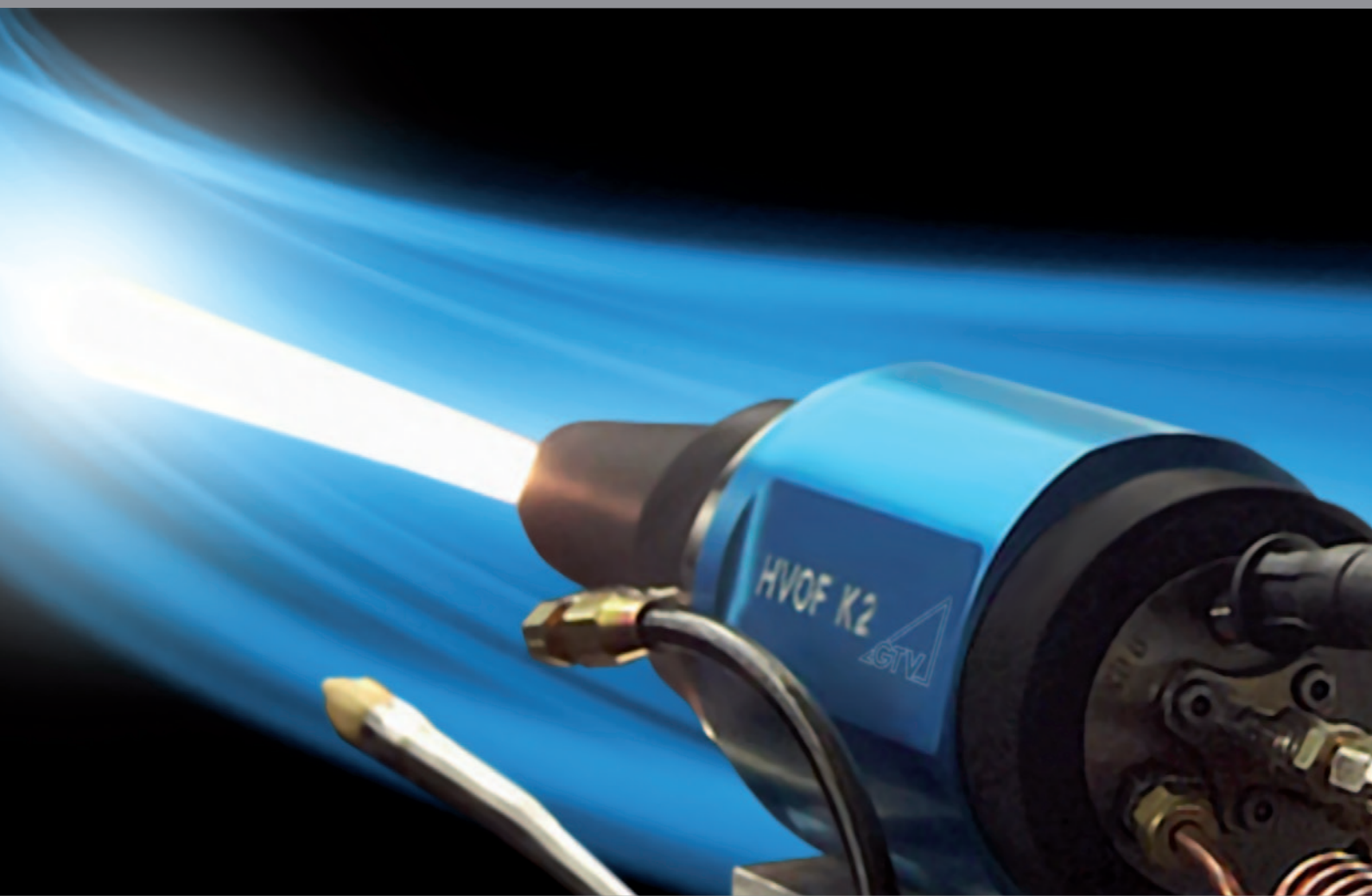


GTV K2

HIGH VELOCITY OXYFUEL FLAMESPRAYING

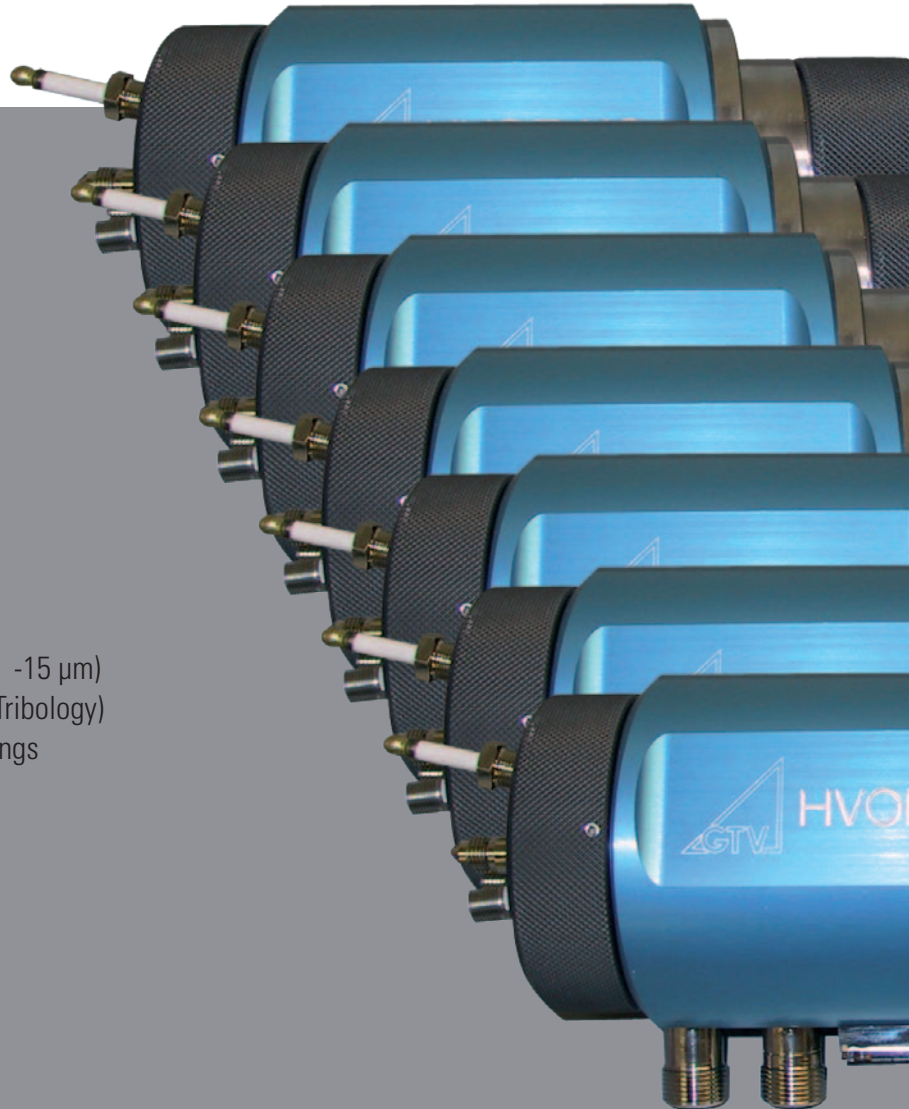


In North America
Spraywerx Technologies inc.
Ph:604 306 2061
E mail: aburgess@spraywerx.com
www.spraywerx.com

GTV K2

Description

- 3. Generation, Liquid Fuel HVOF Burner
- Gas Velocity > 2000 m/s
- Coatings with Compressive Stresses, Coating Thickness (20 - 2000 μm)
- Coatings with high Bond Strength, low Porosity (100 M a resp. < 1%)
- Low Heat Input
- Smooth Surfaces ($R_a < 2 \mu\text{m}$)
- Near Net Shape Spraying
- Processing of fine-grained Powders (+5 -15 μm)
- Optimum Decarburisation of Cermets (Tribology)
- VPS-like Oxid Content of MCrAlY Coatings



Rugged Design, few Wear Parts

Pure Kerosene/Oxygen Flame

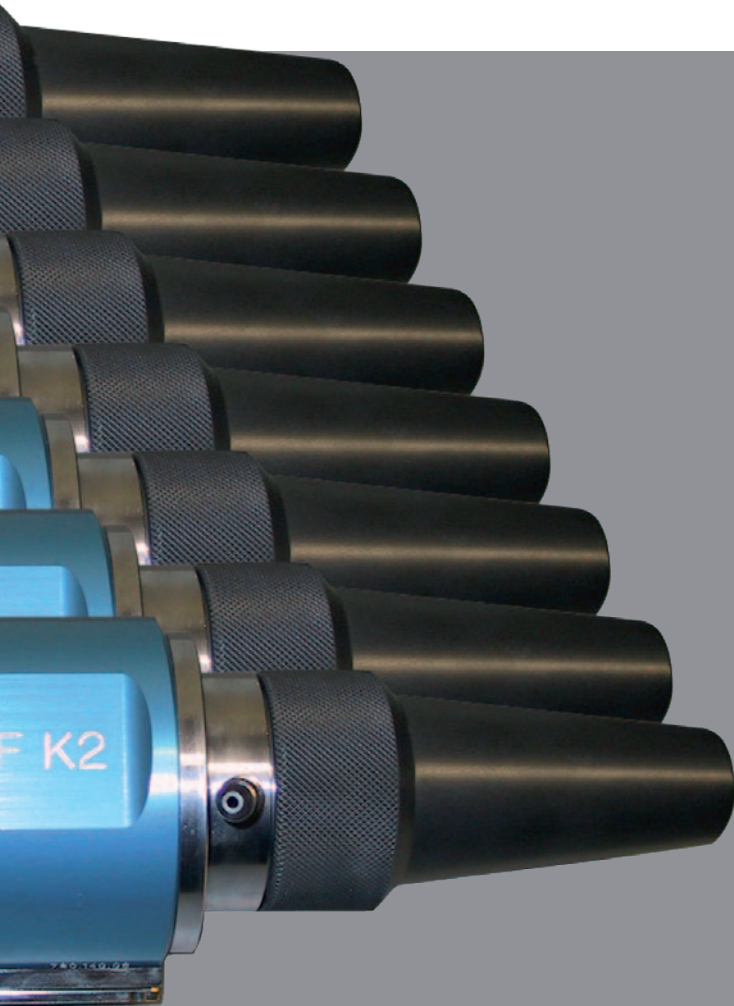
- No Ignition Gas required
- No additional Gas (Supporting Flame) required

Patented Fuel-Injection-System for finest Kerosene Atomization

Complete Combustion inside the Combustion Chamber

Option for Water Injection serially

- 30% increase in Chamber Pressure
- 25% decrease in Cooling Capacity
- Processing of "Nano-" Powders
- Preventing of Particle Oxidation



All Gases Massflow Controlled in conjunction with Siemens-S7-SPS

- Highest Control Accuracy
- Highest Reproducibility/Höchste Reproduzierbarkeit

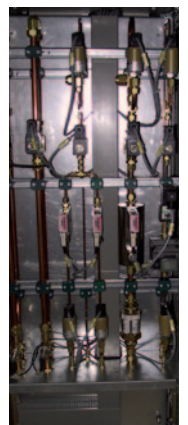
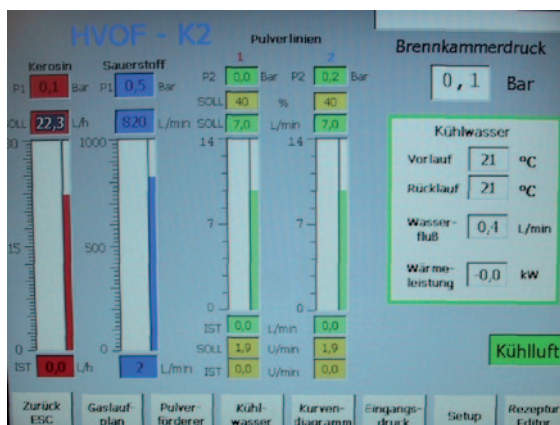
Simultaneous Display of Chamber Pressure and Cooling Capacity

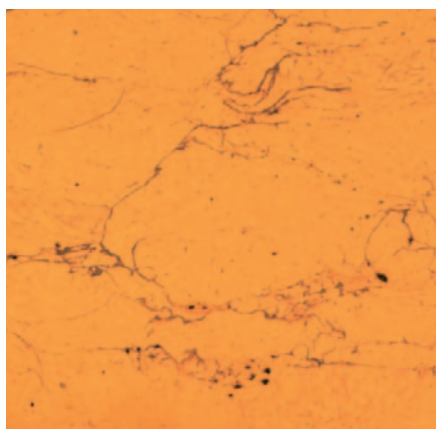
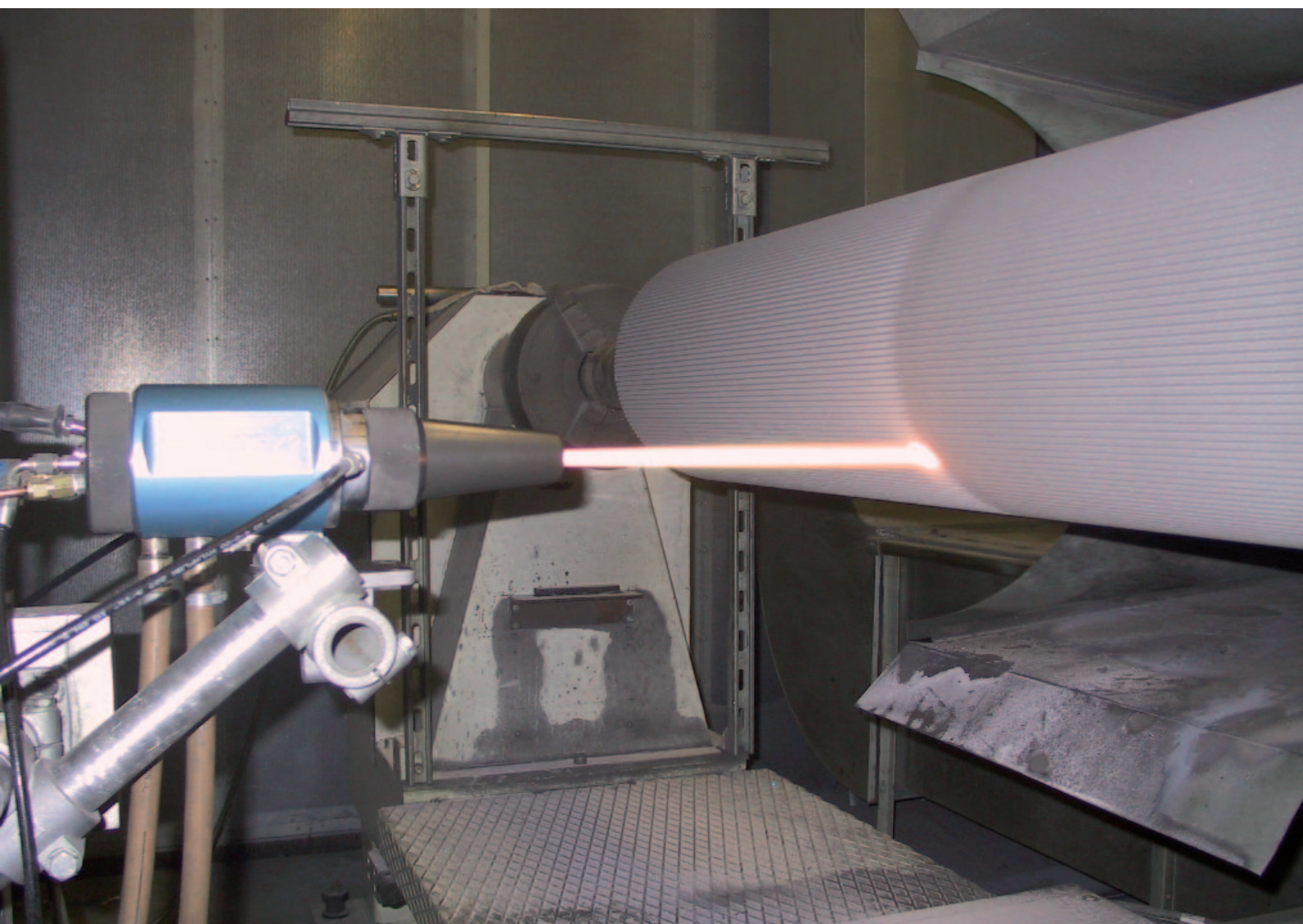
Parameter-Monitoring and Recording

Filesaving of Parameter Recipes

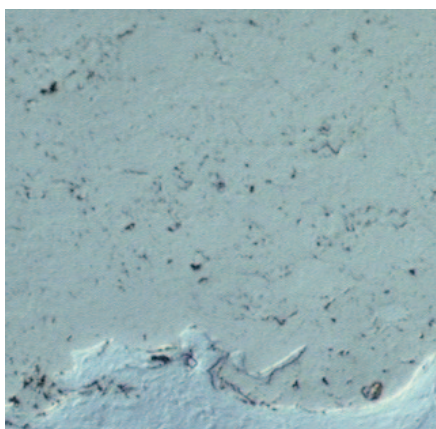
Simultaneous Display of target/actual Comparison of all Media

λ - Controlling

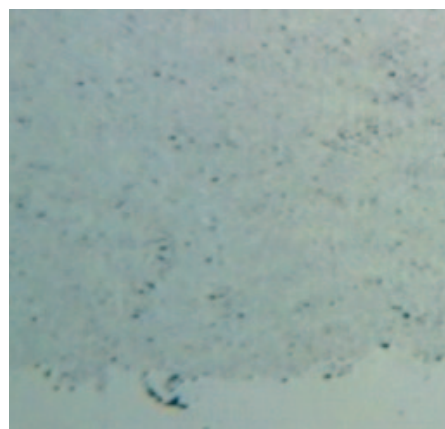




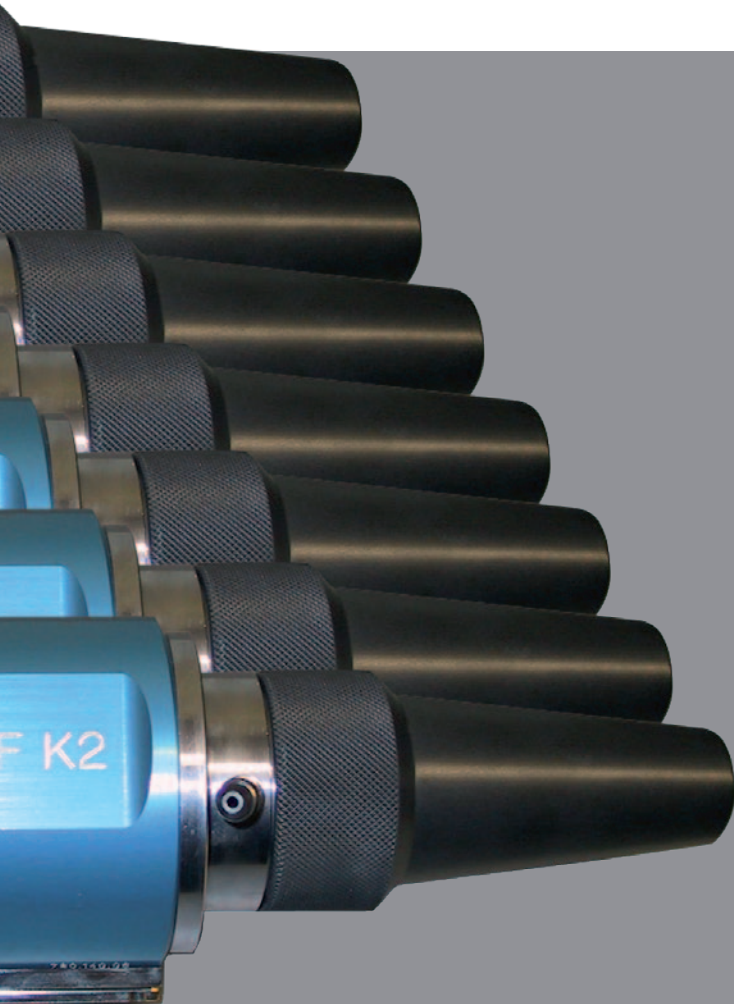
Cu, contrasted



MCrAlY,
O-Content: 0,25% at DE: 49%



WC/Co 88/12



Approx. 100 GTV K2 Systems worldwide

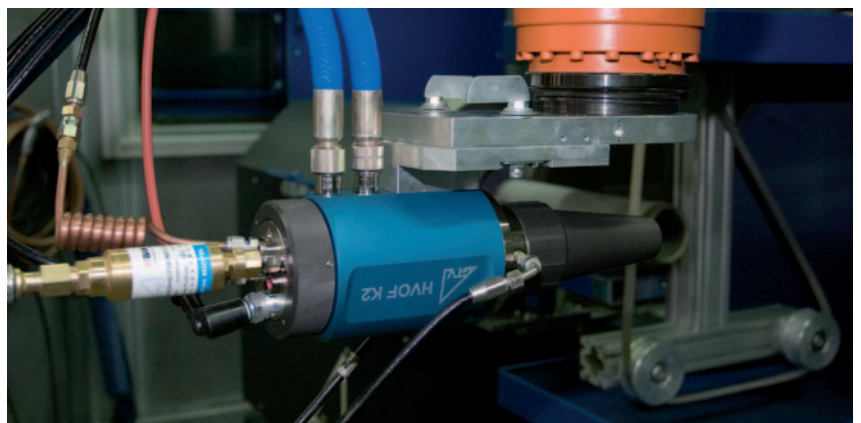
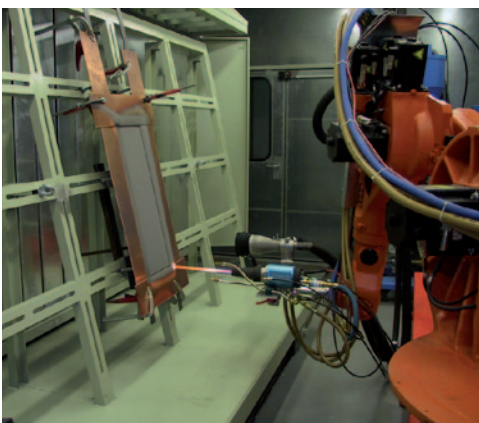
- Europe
- USA
- Russia
- Asia
- Australia

Used in the following areas

- Aviation
- Automotive Industry
- Print and Paper
- Ship Building
- Job-Shop
- Research and Development

Applications

- Drivetrain Components for Submarines
- Gas Turbine Components
- Hydraulic Cylinders
- Corrugated Rollers
- Print Rollers





Ever since the company was established in 1982, the name GTV has stood for top quality and a high level of delivery reliability for all types of thermal spray products.

GTV provides its customers with many years of experience in all aspects of the high-technology field of thermal spray technology, enabling them to make use of the effective and efficient GTV system solutions in order to gain a substantial competitive advantage in the market.

