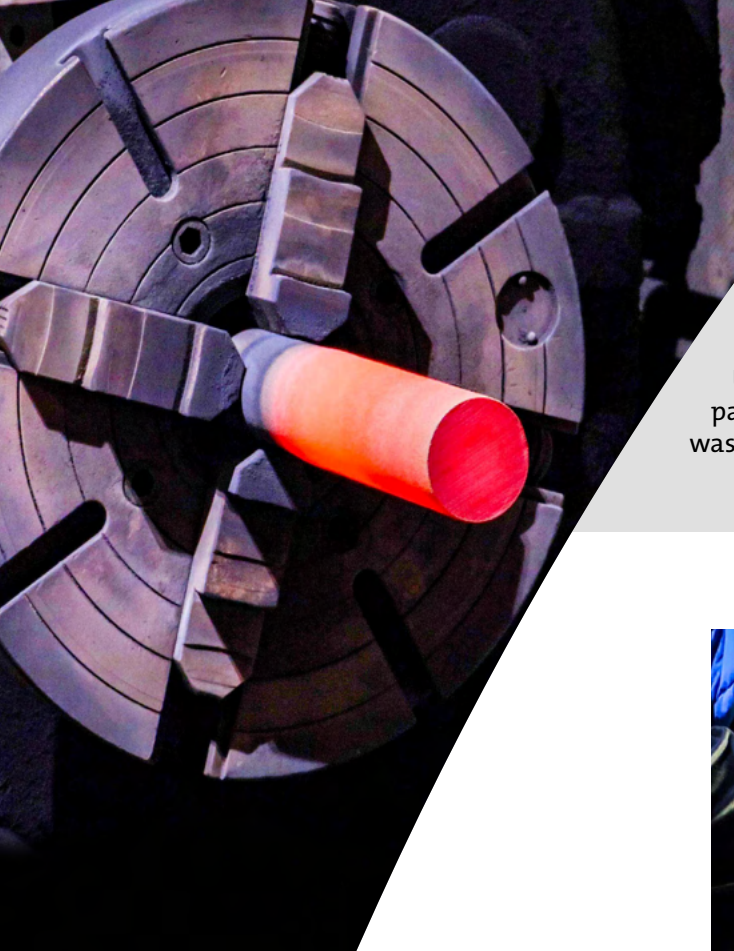




High Energy Combustion Powder
Coating System

TeroDyn® **2000** **System**

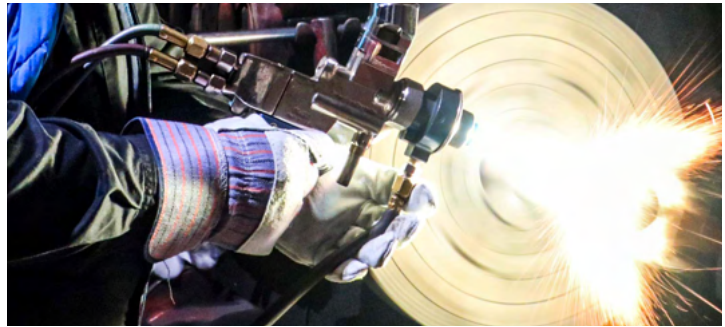
- Prolong the service life of industrial parts and increase productivity
- Multi-fuel capability: acetylene, propylene and MAPP
- Versatile, applies metal, polymer and ceramic powders
- Operator friendly with quick set-up for increased efficiency



High Production Coating Rates

The TeroDyn 2000 System (TD2000) produces a very stable and thermally efficient flame that delivers up to 110,000 BTU/hr.* This high energy level makes it possible to produce superior quality coatings while spraying at very high deposition rates.

Unique, high performance nozzles produce hot, concentrated spray patterns for exceptional deposit and target efficiency - minimizing waste from overspray.



High Deposition Rates

TD2000 produces a very stable and thermally efficient flame that delivers up to 140,000 Btu/hr. (when used with propylene fuel). This high energy level makes it possible to produce premium quality coatings while spraying at very high deposition rates... up to 45lbs./hr.



Maximum Efficiency

Unique high performance nozzles produce hot concentrated spray patterns for exceptionally high deposit and target efficiencies, minimizing waste from over-spray.



Greater Control

Precision air jet accessories allow for accurate control of powder melting and base metal temperature. They may be used to envelope the flame and shape its spraying pattern, or to cool the flame for low temperature applications.

Great Versatility in a Thermal Spray System

The TD2000 torch is lightweight and balanced for comfortable precise manual operation. It adapts to standard tool post holders for semi-automatic operation. In addition, the TD2000 can be upgraded at any time for use with the EP3 external feeder. The use of an external powder feeder will allow even higher spray rates with most powders and will expand the range of materials that can be applied. All system adjustments are on the torch body, so coating parameters can easily be fine tuned for any application. Once established, gas flows are turned on or off with a single lever.

Choice of Fuels

The TD2000 can be used with acetylene, propylene, MAPP, propane and hydrogen, depending on the powder being deposited. Liquid fuels are advantageous because they're safer and often more economical than acetylene. Propylene can often provide higher deposition rates due to its increased BTU output.



Extended Service Life



Global Outreach Technical Support



Safe and Reliable Thermal Spray System



Efficient, Economical, High Deposition Spray System



Industrial Sustainability

Premium Quality Coatings

- Bond Strength up to 6,000 psi (ASTM C-633)
- Hardness to HRC 60
- Low Porosity and oxide content
- Out-of-Position Spraying at any angle

- Enhanced resistance to abrasion and erosion
- Thermal barrier coatings
- Galvanic protection of iron and steel
- Corrosion protection at elevated temperatures
- Frictional wear resistance
- Improved bearing surfaces

Broad Range of Applications

Complete Powder Product Line

- ProXon® One-Step, Self Bonding Alloys
- Fusing Alloys
- MetaCeram® Two-Step, Cold Process Alloys
- ThermoTec® Two-Step Specialty Alloys
- Low Temperature Alloys
- Polymers
- Ceramics



Optional Nozzels



RL3310
(Part No. 4488076)

A high energy nozzle that introduces the alloy into the flame at the optimum angle and location for a long dwell time and maximum heat input.



RL200
(Part No. 4486021)

Alloys are delivered to the flame through a large center bore, which is best for fusible alloys.



RL210
(Part No. 4486020)

Alloys are fed at an angle into the flame, increasing the dwell time of the alloy in the flame for extra heat input. It is specially designed for ceramic alloys.



LT250
(Part No. 4486095)

This nozzle, when used with the LT Air Shroud, allows the TeroDyn 3000 System to apply low-melting point alloys without excessive fuming or loading.



RL210W
(Part No. 4484821)

A nozzle similar to the RL210 with added air holes to prevent loading on the nozzle face.

TeroDyn System 2000 Complete Kit (Part No.4468000)



Kit includes: Terodyn 2000 II torch, lower heat shield, upper heat shield, RotoLUBETM O-Ring lubricant, nozzle RL 210, O'Ring package, safety glass - #5 shaded, Multi Oriface Module Adapter, tip cleaner kit, hose set, wrenches, phillips screwdriver, tool post mounting bracket, manual, single flint lighter, and items shown below.

RotoJet® Kit
(Part No. 4472000)
Rotojet may be required to apply specific MetaCeram® coating. Each performs several functions.

Manifold Kit
(Part No. 4477000)
Includes all the hardware to manifold two oxygen cylinders and two acetylene cylinders.

Air Filter / Regulator
(Part No. 4487061)
Removes contaminants from plant air supply and regulates air pressure for proper operation of RotoJet®.

Flowmeter Model FM -1
(Part No. 4484051)
Fuel gas and oxygen flowmeter is required. The flowmeter permits setting and monitoring of BTU output.

Optional Accessories

LT Adapter Kit (Part No. 4486064)
Contains LT Air Shroud, LT Nozzle and all hardware necessary to apply low temperature alloys and polymers.

Propylene Fuel Kit (Part No. 4458000)
Contains an alternative fuel regulator plus three nozzles to enable the TD 2000 to use propylene, propane or MAPP fuel.



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