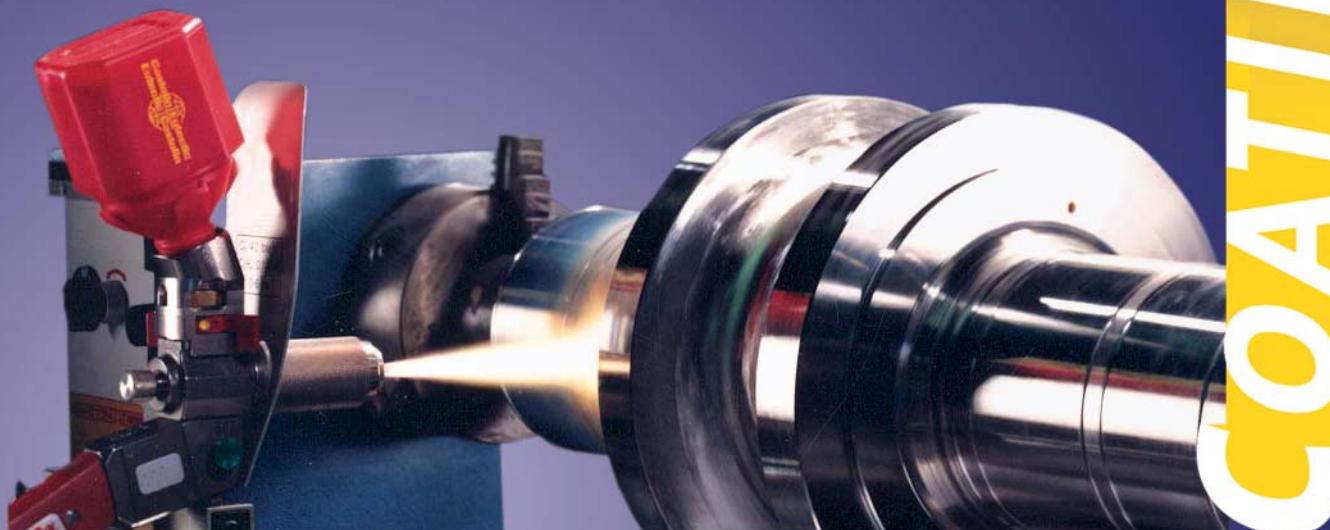


A User-Friendly, Advanced Industrial Thermal Spray Coating System

CastoDyn® DS 8000



- Highly adaptable: Modular concept allows widest range of Eutectic MicroFlo® applications
- Easy-to-Use: Simple, single valve parameter control
- Light and Robust: Suitable for all users, from small workshops to large factories



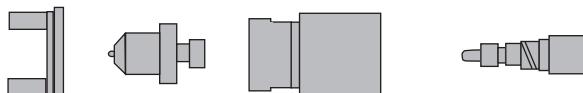
THE DS 8000 - DESIGNED FOR EASY OPERATION

Users will appreciate the DS 8000's ergonomic layout. Its light-weight (almost 40% less than comparable torches) and that no tools are needed to assemble or dismantle it.

The DS 8000 requires no special skills to operate. The only adjustable control is the valve used to set the acetylene flow; other controls are all simple on/off switches. The unique rapid shut-off lever offers improved safety and allows the torch to be re-lit without having to touch any other control.



MODULAR CONSTRUCTION INCREASES COATING QUALITY



Standard Spray Module (SSM)

Because the MicroFlo powder families vary considerably in their characteristics, four quickly interchangeable Standard Spray Modules (SSM's) have been developed for the DS 8000. Each SSM is optimized to obtain the highest quality coatings from a particular group of Eutectic MicroFlo powders. Between them, the four SSMs enable the DS 8000 to give excellent results across a full range of MicroFlo coating applications.

EUTECTIC'S MICROFLO POWDERS AND ANTI-WEAR COATINGS

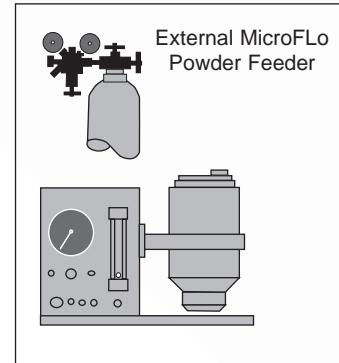
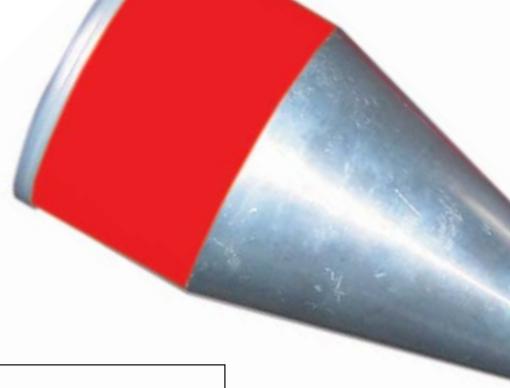
For virtually every coating application, there's a MicroFlo powder designed to provide the optimum solution. With its four standard spray modules, the DS 8000 can project all the powders in the MicroFlo product families listed here - a great variety than any previous delivery system.

Series 23000 (SSM 20)

Series 23000 powders are projected to form a deposit which is then heated to fuse its constituent particles. This produces a dense coating with a strong metallic diffusion bond with the base metal, giving Series 23000 products a good resistance to high pressure friction and high temperature oxidation. The Series 23000 family also provides protection from other forms of wear.

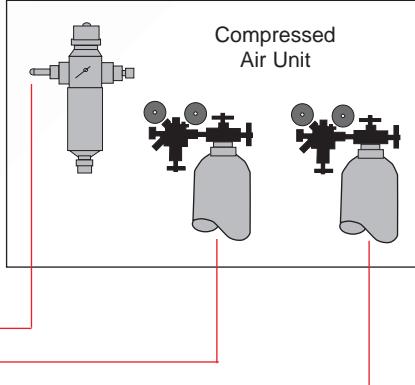
Series 29000 (SSM 10)

The DS 8000 is a "cold projection" process, so it can be used in cases where no distortion or change of metal structure in the base material can be tolerated. Series 29000 deposits, applied onto a bonding layer, are easily machined to the required finish and have good self-lubrication properties. The family's main application is protection against friction, although individual 29000 Series products also offer good resistance to other forms of wear.



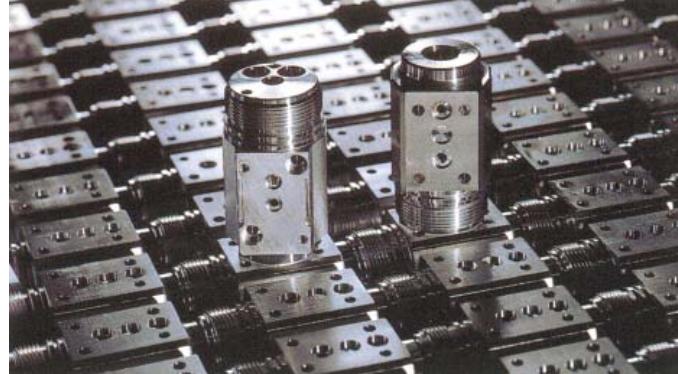
SF Lance torch accessory
(Part No. 4387100)

oDyn 3000



DEPENDABLE, PREDICTABLE PERFORMANCE

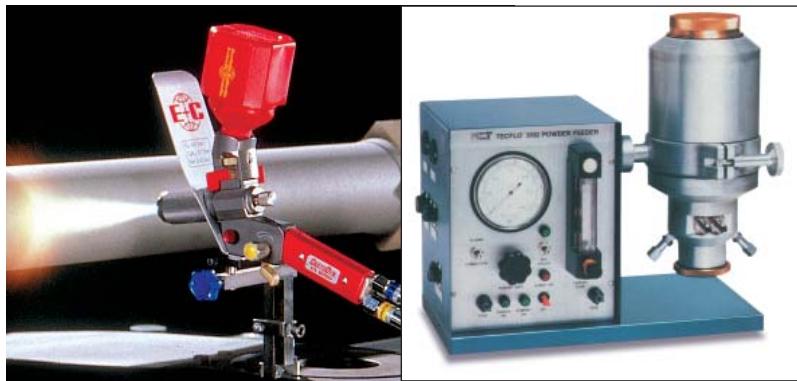
The DS 8000 is built with CNC precision-machined components, which offer much-increased reliability. Carefully calibrated holes drilled through synthetic rubies give very precise flow rates, producing extremely accurate and consistent coatings - time after time.



CDS 8000 components are CNC built for excellent precision

EASILY AUTOMATED FOR LARGER APPLICATIONS

Industrial users can easily combine the DS 8000 with various automation systems, allowing its power and precision to be exploited to the full on even the largest applications, whether OEM, repair or preventive maintenance. An external powder feeder can be connected to support continuous coating operations.



For larger work, add an external powder feeder

Proxon® 21000 (SSM 10)

Proxon powders are also projected "cold", but unlike Series 29000 products, require no bonding layer and so can give thinner coatings. This "one-step" procedure makes the Proxon range simple and quick to apply. Proxon's principal use is against high-speed friction, while its homogeneous deposit also gives improved protection against particle types of corrosion

EverTuff® Polymers (SSM 40)

DS 8000 process allows all manner of base materials, concrete, brick, stone and glass as well as metal, to be coated with thermoplastic polymers. Providing excellent protection against all kinds of corrosion, EverTuff coatings also block ultra-violet light and are available in a wide variety of colors.

MetaCeram® 25000 (SSM 30)

The DS 8000 offers an economic alternative to plasma spraying systems for applying MetaCeram powders. These contain inert ceramic materials or refractory metals and are tailored for particular applications. They can be polished to a very smooth finish and offer protection against intense abrasive friction, very high temperatures, molten glass and combustion gasses.

MetaCeram® 29000 / LT (SSM 40)

MetaCeram 29000 / LT powders are characterized by a low melting point temperature. Selected powders satisfy three main application areas; as a sacrificial (anodic) coating capable of protecting iron and iron alloy base metals from atmospheric corrosion, as a machinable aluminum alloy coating for part restoration and as a coating to replace poured tin and tin alloys for bearing areas

DS 8000 KIT & ACCESSORIES

(Part No. 8000CDS)

The DS 8000 kit consists of an aluminum carry case containing a DS 8000 torch and all the ancillary items needed to set it up, operate it safely and maintain it. To extend its range of applications, the DS 8000 System features a number of optional accessories:

- An extension neck for coating internal surfaces
- A fusion torch with range of tips
- SF Lance; simultaneous fusion attachment for high deposition rate with excellent yield. To be used with Eutalloy SF powders ONLY.
- Gas hose with quick connection units
- A compressed air control



MICROFLO TECHNOLOGY - RESPONSIVE TO ALL NEEDS

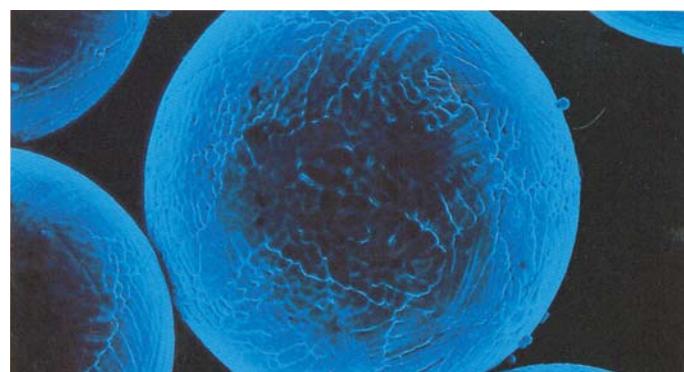
Drawing on its unrivaled experience in protective maintenance and repair coatings, Eutectic has developed its extensive range of MicroFlo powders, which can be quickly modified to produce a more effective solution to a particular requirement. The increasing number of industries using this advanced technology for a growing variety of jobs underlies the effectiveness of the "custom-built" MicroFlo approach.

Molten alloy being poured into the gas-atomization chamber. Making our own powders ensures the quality needed for the best coating performance.



TOTAL QUALITY ASSURANCE

Quality assurance begins with the careful selection of suitable raw materials and continues throughout the MicroFlo manufacturing process. On-line inspection is conducted at all stages from reception to final packaging. Eutectic's MicroFlo factories can make experimental batches, integrating on-going R&D into the production process.



Seen here enlarged 450 times, the Eutectic powders particles have specific characteristics adapted to their intended application.

YOUR RESOURCE FOR PROTECTION, REPAIR AND JOINING SOLUTIONS



Eutectic Corporation
N94 W14355 Garwin Mace Drive
Menomonee Falls, WI 53051 USA
P 800-558-8524 • F 262-255-5542
www.eutectic.com

Eutectic Services
12300 Carmen Avenue
Milwaukee, WI 53225 USA
P 800-558-8524 • F 262-255-5542



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