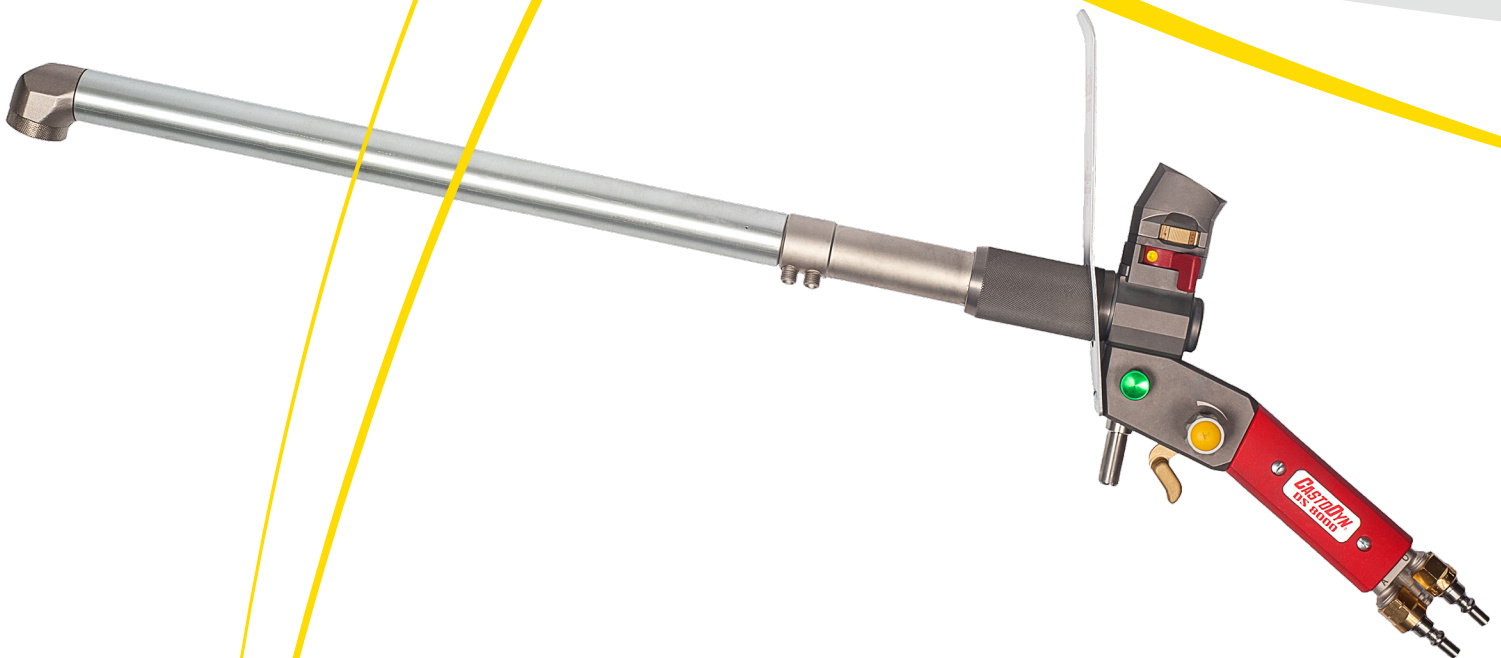


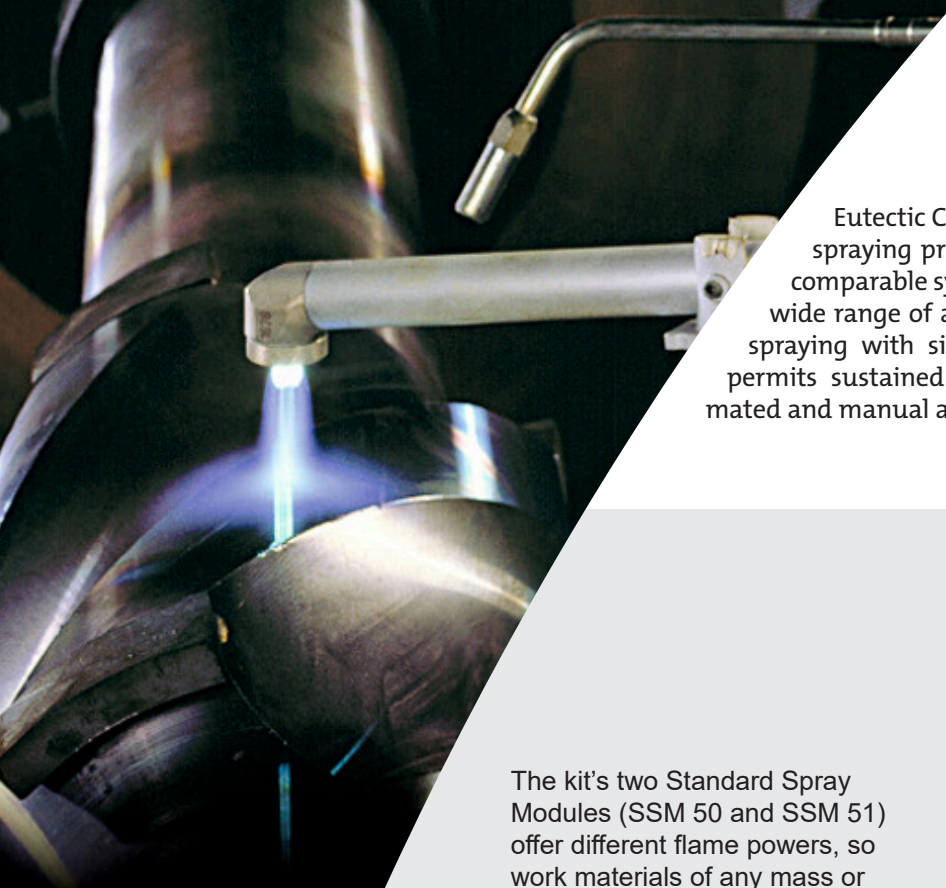


Simultaneous Fusion Attachment for  
the CDS 8000 Thermal Spray System

# CastoDyn® SF Lance



- Increased energy output for highest deposition rates
- Advanced nozzle design delivers exceptional yield (>90 %)
- Synergy between equipment and special Eutalloy® SF powders
- SF Lance provides extremely durable anti-abrasion coatings



## CASTODYN SF Lance

Eutectic Castolin's modular CDS 8000 torch performs more flame spraying processes, with more alloy powder types than any other comparable system. The CastoDyn SF Lance kit increases this already-wide range of applications by allowing the CDS 8000 to perform spraying with simultaneous fusion. Its robust, water-cooled design permits sustained high-intensity spraying, and is ideal for both automated and manual applications.

The kit's two Standard Spray Modules (SSM 50 and SSM 51) offer different flame powers, so work materials of any mass or thickness can be coated.  
**(Part No. 4387100)**



	<b>SSM 50</b>	<b>SSM 51</b>
Deposition rate	4-20 Lb/h	2-9 Lb/h
Typical yield	>90 %	>90 %
Flame power	~ 28 KW	~ 14 KW
Deposit thickness (one pass)	.040-.120"	.080-.100"

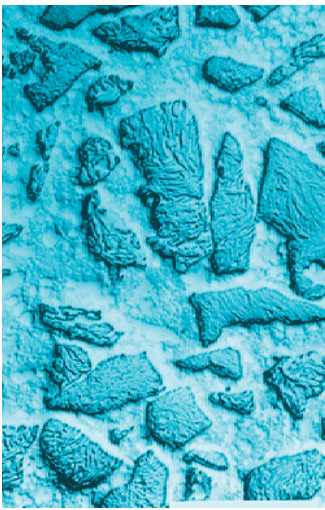
## Eutalloy SF Powders tailored for the CastoDyn SF Lance

The composition and granulometry of Eutalloy SF powders are tailored to the precise needs of the SF Lance system, to ensure the highest possible yield with a high deposition rate, deposit quality and ease of application. All the Eutalloy SF powders are self-fluxing, nickel-based powders. They have, by their very nature, excellent corrosion resistance. To cater for a wide range of applications, different customer requirements and types of machining, the Eutalloy SF family covers a wide range of hardnesses and resistances to wear, starting with the easy machinable 35 HRC type 13494, applicable for porosity-free thick build-ups and extending to the highly abrasion-resistant 23005.

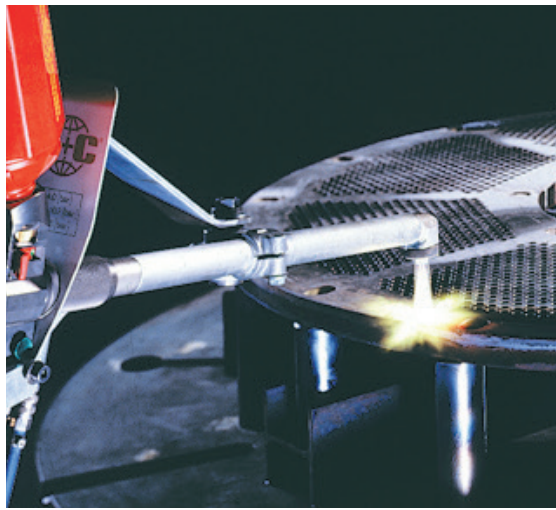
## Cost-cutting industrial applications

The CastoDyn SF Lance/Eutalloy SF combination is a uniquely cost-effective solution for companies with major abrasion problems, such as manufacturers and users of equipment for these industries:

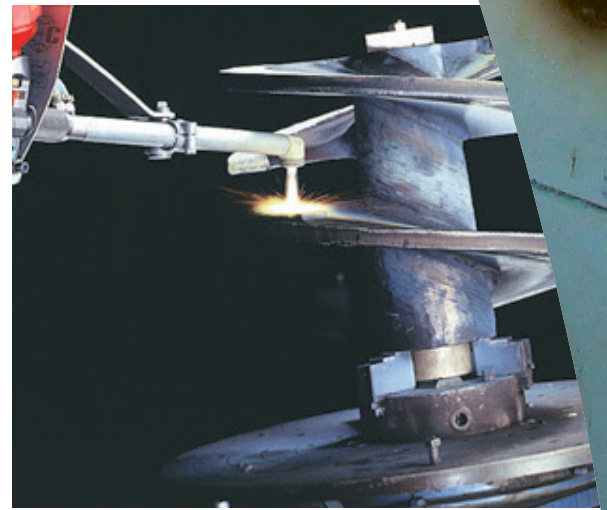
- AGRICULTURE
- QUARRYING
- MINING
- BRICK AND CEMENT MAKING
- FOUNDRIES
- PULP AND PAPER
- GLASSWORKS
- DRILLING TOOLS



100 microns



Coating a hydropulper (paper mills) with Eutalloy 23005.



Coating a brick-mold screw with Eutalloy 23005 anti-abrasion alloy.

The above product technical properties are based on Eutectic Castolin quality assurance standards and procedures for use. Procedures and applications other than those specified may alter these properties.

# Pioneering Industrial Sustainability



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