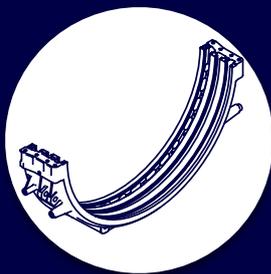
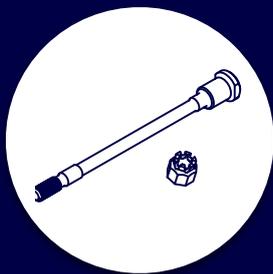
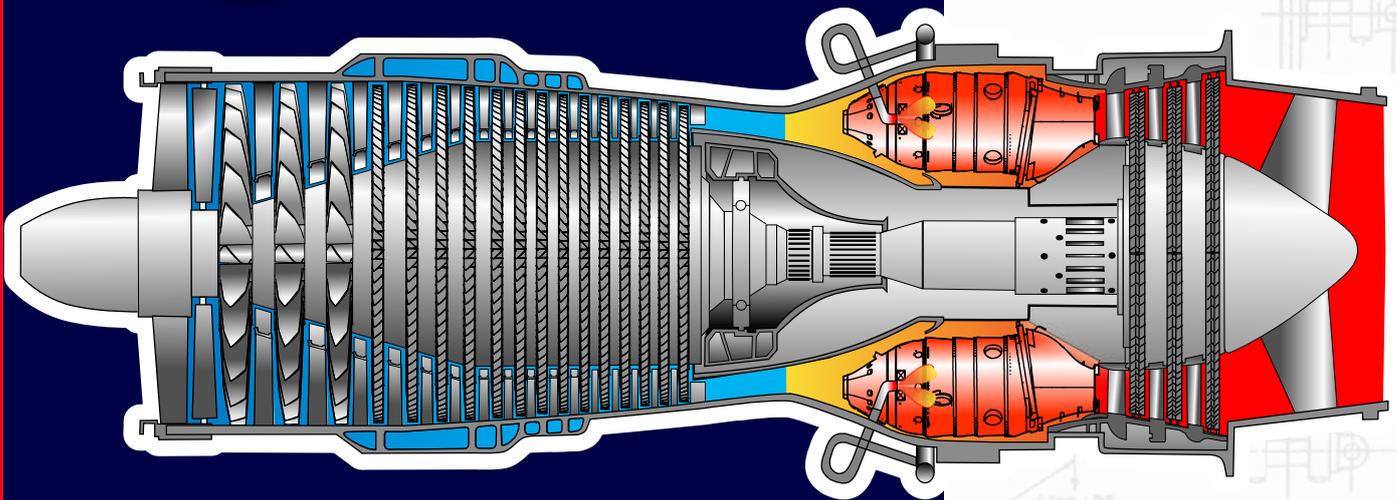
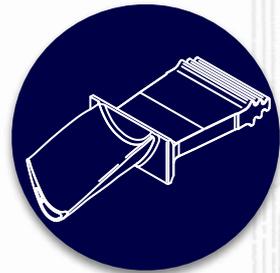
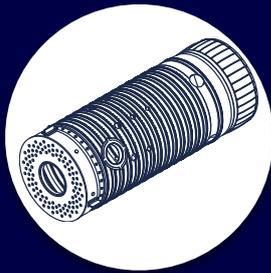
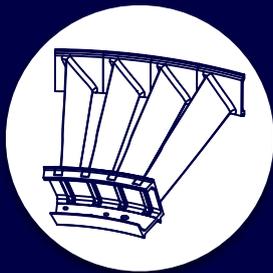


# MANUFACTURING CAPABILITIES

## *Special Parts*



2705 LBS  
LIFTING BEAM



# Special Parts

“ Connecting You to the Engineering and Manufacturing Industry”

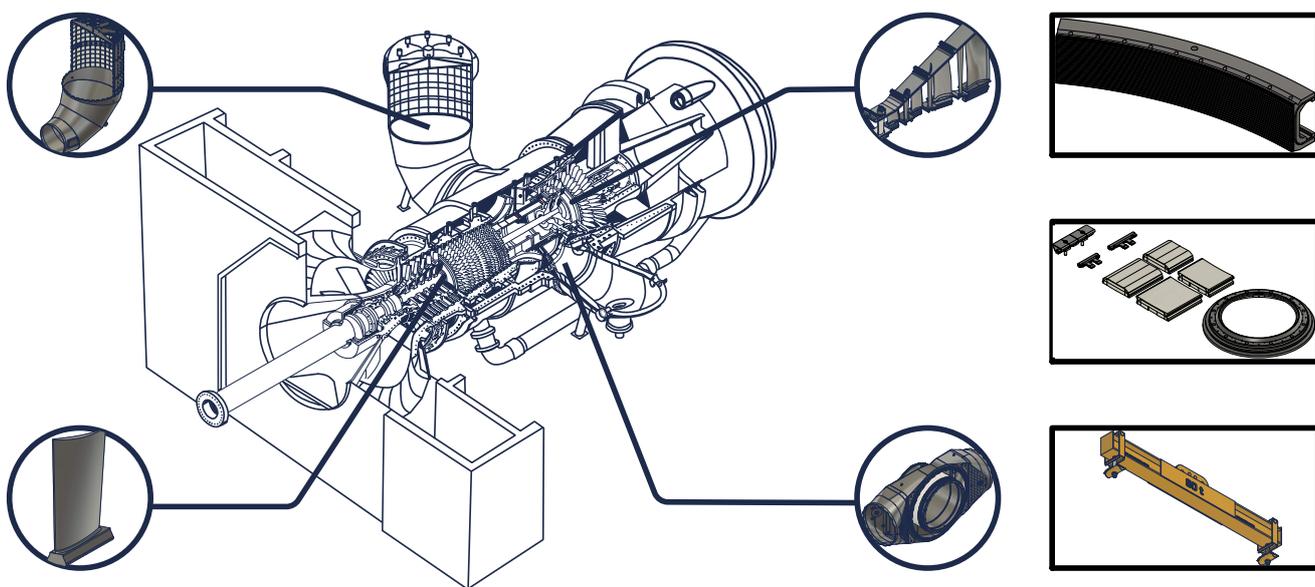


- Special Parts have been established by an international pool of passionate people with different backgrounds in the Oil&Gas and PowerGen Sectors.
- The merging of their knowledge and experience in Heavy Industrial and Aero Derivative turbines and parts manufacturing allows the company to offer a wide variety of components directly from the factories.
- Its know-how, gained in the work experiences in the energy production field, together with the experience of a team of highly motivated people allow the company to be a powerful asset for its customers around the world.
- Special Parts is committed to excel in quality during all the engineering and manufacturing phases.
- Customers are entitled to check manufacturing drawings & specification, assist with the production of their parts and to receive a comprehensive technical report along with the parts.
- A vast range of capital and ancillary parts compatible with GE, Siemens, and RR Gas Turbines have already been developed by SP and are ready to be produced at customer's orders.



# Special Parts

“Manufacturing and Procurement Made Easy”



## Turbine Blades and Vanes

Hot gas path blades and vanes are among the most expensive and difficult to produce spare parts of the turbine. Quality and delivery schedule along with cost, are the most important parameters to be taken in account during the Purchase process.

Special Parts' direct contact with Western European Foundries, Machining Shops and Coating Shops allow a direct supervision of all the stages of the manufacturing process and Quality Control.

Parts are produced in Equiax. or DS starting from superalloy such as: Inconel 738/939, GTD111 Alloy 247, FSX 414, N 155.

AVON HP Blade	MS9001E	VW2 First Stage Blade	MS9002D	MS9002D	MS9002D	MS9002D
<p>Material: Inconel 738/939 Heat Treatment: Solution and Aging Coating: CMC Parts per set: 10</p>	<p>Material: Inconel 738/939 Heat Treatment: Solution and Aging Coating: CMC Parts per set: 10</p>	<p>Material: Inconel 738/939 Heat Treatment: Solution and Aging Coating: CMC Parts per Engine: 10</p>	<p>Material: Inconel 738/939 Heat Treatment: Solution and Aging Coating: CMC Parts per Engine: 10</p>	<p>Material: Inconel 738/939 Heat Treatment: Solution and Aging Coating: CMC Parts per Engine: 10</p>	<p>Material: Inconel 738/939 Heat Treatment: Solution and Aging Coating: CMC Parts per Engine: 10</p>	<p>Material: Inconel 738/939 Heat Treatment: Solution and Aging Coating: CMC Parts per Engine: 10</p>



## Combustion Chambers

Single hot gas section components such as Liners/Flame-Tubes, Transitions/Discharge Nozzles or complete combustion chambers are available.

All combustion parts are manufactured with state of the art welding technologies from metal sheets. Materials include, among others, Inconel, Nimonic, Hastelloy X, Stellite.

The coating is applied with state of the art processes such as HVOF and Plasma Spray, to ensure surface resistance and insulation.

Consumable parts as ceramic tiles, tile holders and accessories are available as well.



## Compressor Blades

Our expertise allows us to quickly manufacture complex shapes for all stages of Compressor Blades and Vanes with excellent quality and competitive cost.

We provide blades and vanes using Forged and Machined, or Milled from bar depending on the complexity and suitability of the manufacturing process.



## Ancillary Parts

Special Parts together with its Manufacturing Partners allow us to support all your requirements thanks to the extensive range of our products and services

For a broad selection of turbines, Special Parts can analyse the spare parts list and identify the best manufacturing source for each kind of component.



## SPECIAL PARTS LTD

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WELD SYMBOLS TO SPEC A  
ELECTRODES TO SPEC B  
WELD TO SPEC C

PREPARE AND PAINT  
FINISH PAINT COLOUR  
ALL UNPAINTED AREAS TO BE

