

Integrated Manufacturing for Hydro and Heavy Industry

Corporate Presentation

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HydroPower at a glance

An integrated manufacturing base for large, complex and quality-critical components.



2015

Founded

Ankara

Production campus

Integrated

Manufacturing flow

Düsseldorf

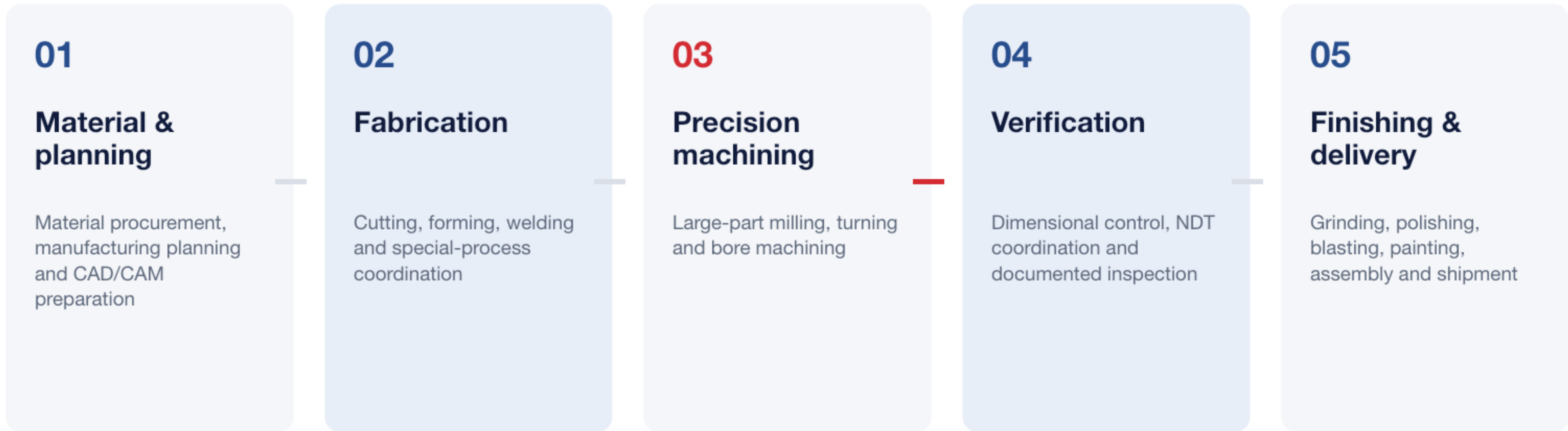
Germany office

Core offer

Machining, fabrication, welding, dimensional control, surface treatment and assembly coordinated within one production system.

One coordinated path from material to shipment

A single production flow reduces handovers and keeps technical ownership visible.



Project-specific tolerances, capacities and documentation requirements are confirmed during technical review.

Focused on demanding industrial applications

Engineering and manufacturing support for hydropower, heavy industry and hydraulic systems.



Hydropower

Turbine components, welded structures, machining and assembly



Heavy industry

Large fabricated and machined parts for industrial equipment

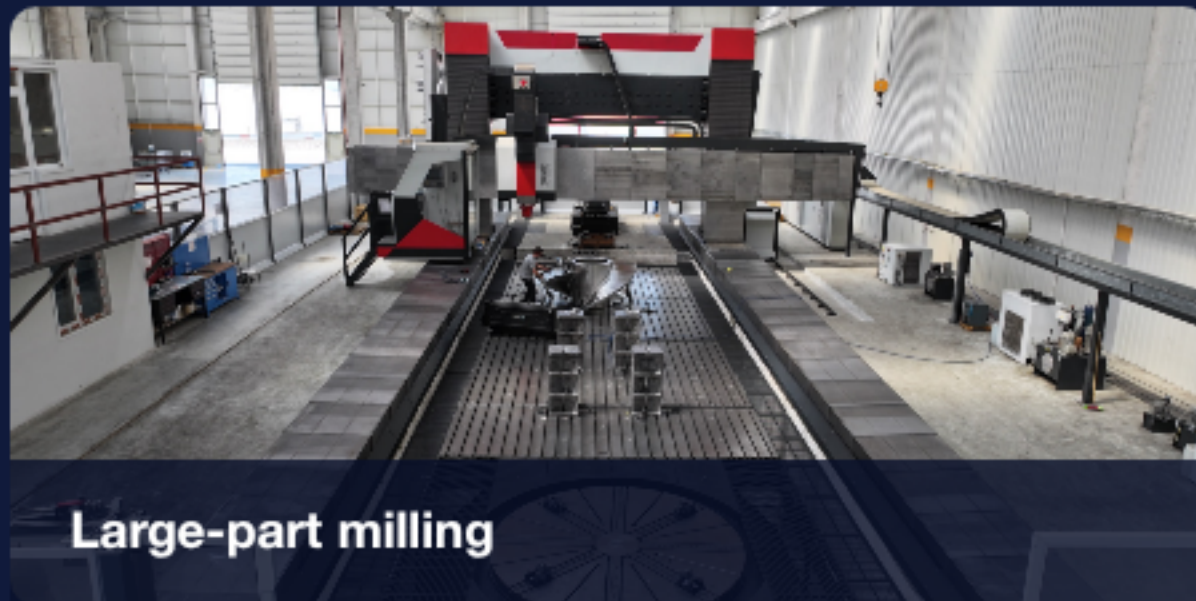


Hydraulic systems

Cylinder manufacturing and application-specific assemblies

Integrated capabilities across the shop floor

Machining, fabrication, welding, inspection and finishing coordinated within one production system.



Cutting, forming and heavy fabrication

The production chain combines plate preparation with welded structure manufacturing.



Plate cutting

CNC cutting and plate preparation



Forming and bending

Project-specific forming support



Heavy welded structures

Hydro and industrial fabrications

Engineering-led welding execution

Process planning, qualified personnel and inspection coordination are treated as one workflow.



What is shown

Robotic and manual welding resources

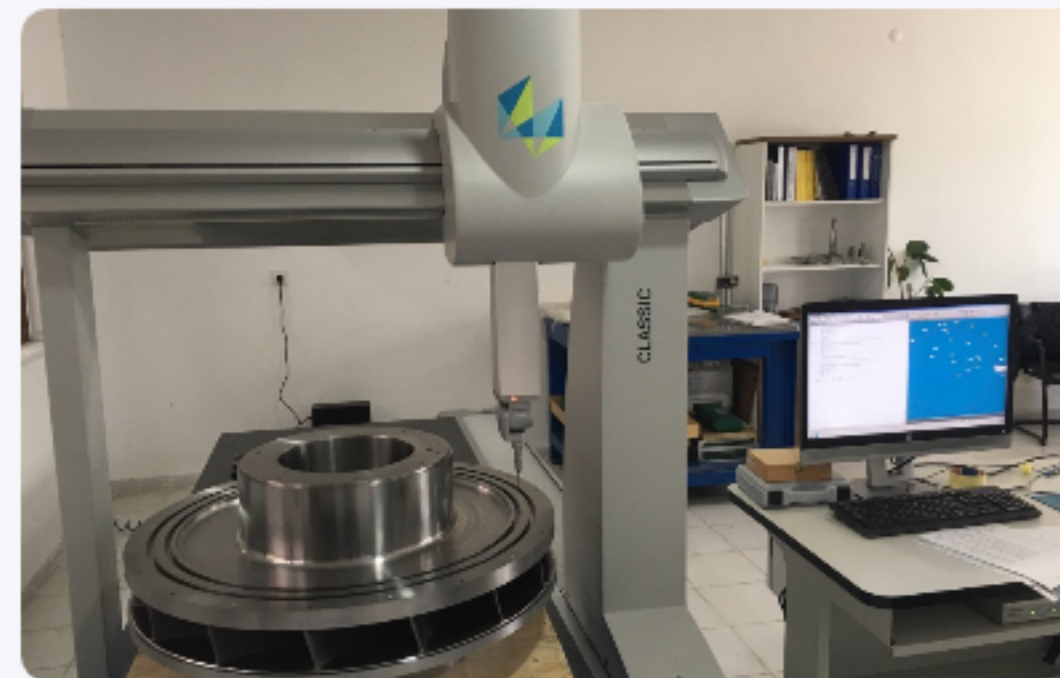
Large hydro and industrial fabrications

NDT and dimensional verification coordinated by project

Procedure and qualification scope confirmed before order acceptance

Dimensional control close to production

Fixed and portable measurement resources support large-component inspection.



Fixed CMM

Controlled dimensional inspection

Portable 3D

Large-component inspection on the shop floor

Measurement planning and documented verification are aligned with project requirements.

Blasting and painting within the production flow

Dedicated areas help coordinate surface preparation, coating and final delivery.



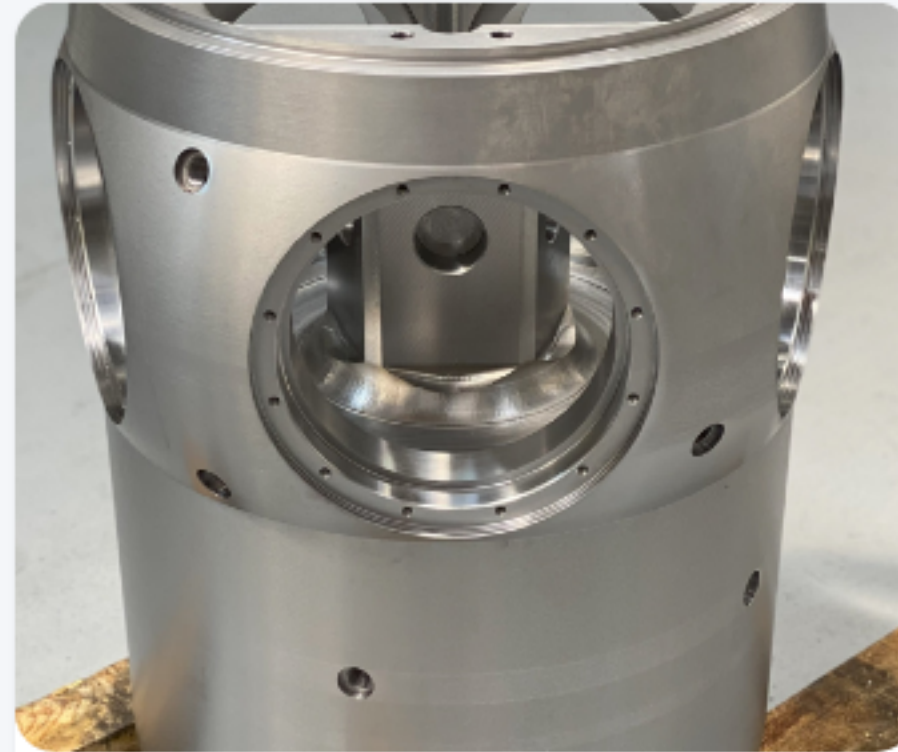
Product families across turbine equipment

Rotating and stationary components for hydroelectric equipment.



Runners & impellers

Machining and finishing of complex flow surfaces



Hubs & housings

Large rotational and pressure-boundary components



Welded structures

Heavy fabricated assemblies and casings

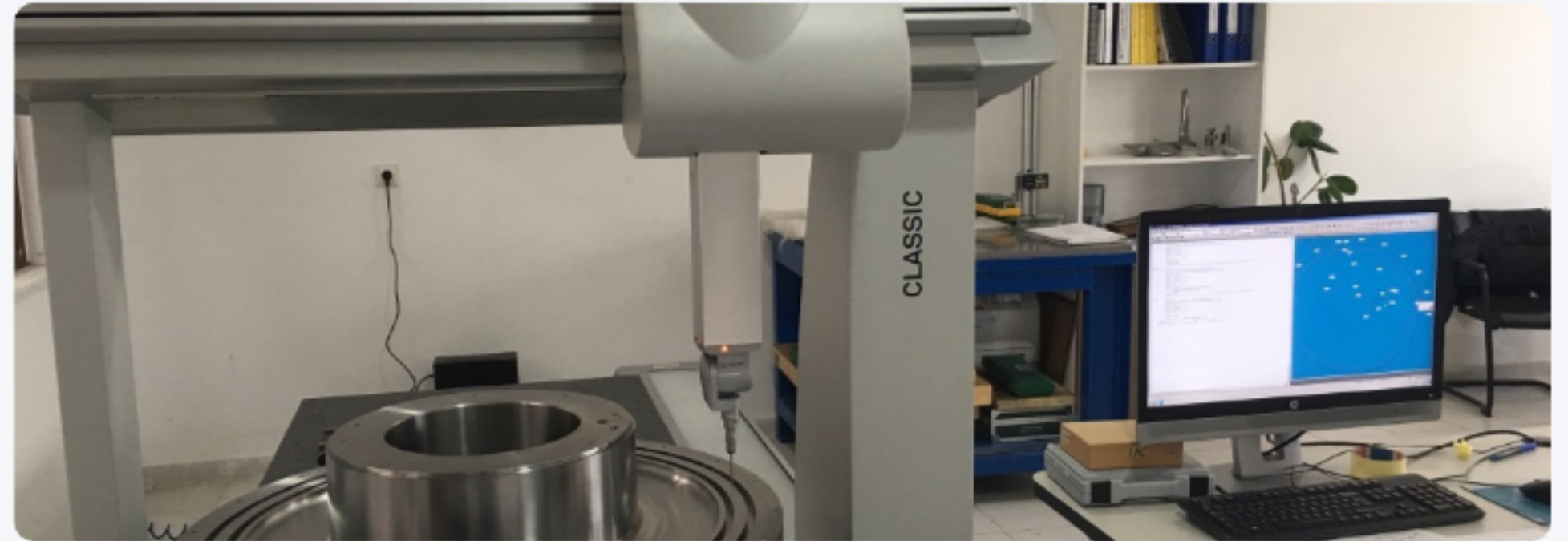
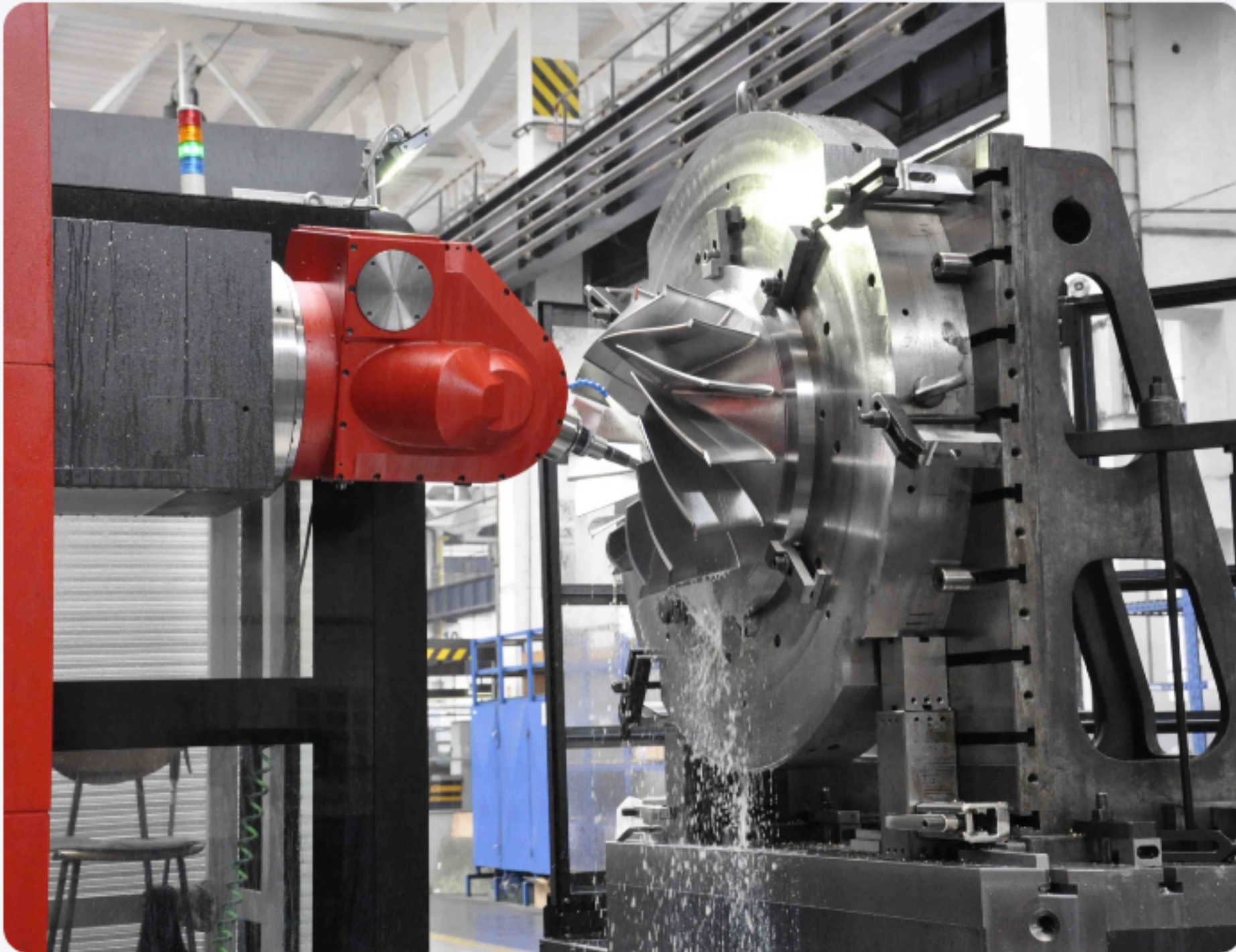


Spiral and distributor parts

Machined and assembled stationary equipment

From machining to dimensional verification

A typical manufacturing flow from machining through dimensional verification.



- 1 Set-up**
Fixture and access strategy
- 2 Machine**
Multi-face machining
- 3 Verify**
CMM or portable measurement
- 4 Release**
Documented inspection package

Let's discuss your next manufacturing challenge.

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