



**Heavy metal  
subcontracting  
manufacturer  
in Finland**



[www.kumera.com](http://www.kumera.com)

# Kumera Machinery Oy

## 16 300 m<sup>2</sup> under the roof

- Maximum lifting capacity 80 tons
- Maximum work piece capacity 200 tons
- Maximum lifting height 9,6 m

## Valid Certificates

- SFS-EN ISO 9001 Quality Management System
- SFS-EN ISO 14001 Environmental Management System
- SFS-EN ISO 3834-2 Quality Requirements for Welding
- PED 2014/68/EU EN 13445, pressure vessels
- ASME U-stamp, pressure vessels
- Registered supplier in the Maritime registers of shipping
- Registered supplier in the Achilles Power & Tech Community

# Subcontracting services

## Kumera Machinery Oy Akaa, Finland

- Prefabrication
  - Welding
  - Machining
- Heat Treatment
- Assembly Services
- Surface Treatment



## Main Equipment

### Boring and Milling Machine

#### PAMA Speedram 3

- Horizontal stroke 20 000 mm
- Vertical stroke 4 000 mm
- 5-axis machining
- Rotary table 3 000 x 3 000 mm
  - Horizontal stroke 4 000 mm
  - Max capacity 45 tons



## Main Equipment

### Machining Center

#### JUARISTI TXH5K-MGX12

- 5-axes high speed spindle
- 1 450 x 1 450 mm rotary tables
- Max dimensions
  - $\varnothing$  2500 mm, h = 2000 mm
  - 10 tons

### Boring and Milling Machine

#### PAMA Speedram 2000

- Horizontal stroke 14 000 mm
- Vertical stroke 4 000 mm
- 5-axis machining
- Two rotary tables
  - 2 500 x 2 500 mm
  - Stroke 3 000 mm
  - Max capacity 40 tons
- 2 000 x 2 500 mm
- Stroke 3 000 mm
- Max capacity 25 tons

### CNC Vertical Lathe

#### D.Y.E TV-4200 BF

- Table  $\varnothing$  4 200 mm
- Max dimensions
  - Diameter 4 720 mm
  - Height 2 000 mm
  - Capacity 25 tons
- Rotary tools

## Main Equipment

### CNC Vertical Lathe

#### DALIAN YIMEI CKG160

- Table ø 1 400 mm
- Max dimensions
  - Diameter 1 600 mm
  - Height 1 400 mm
  - Capacity 8 tons
- Rotary tools

### Boring and Milling Machine

#### SKODA 200 HC

- Horizontal stroke 26 000 mm
- Vertical stroke 3 700 mm
- Max capacity 200 tons
- Rotary table I
  - Max diameter 6 000 mm
  - Max height 3 000 mm
- Rotary table II 2 400 x 2 400 mm
  - Horizontal stroke 1 500 mm
  - Max capacity 40 tons

### Bending Machine

- Maximum pressing capacity 2 500 tons
- Working width 12 m

### Plate Roller

- Maximum width 6 m
- Maximum plate thickness 100 mm

### SAW Head Manipulator

- Vertical stroke 4 000 mm
- Horizontal stroke 6 000 mm
- Track length 40 m



SKODA 200 HC



Bending Machine

Plate Roller



SAW Head Manipulator



SAW Head Manipulator

## Main Equipment

### MIG / MAG (FCAW / GMAW) Welding Manipulator

- Two welding torch
- Vertical stroke 2 500 mm
- Horizontal stroke 4 500 mm
- Track length 20 m

### PWHT Furnace

- Stress relieving
- Maximum working temperature 700 °C
- Maximum dimensions
  - Length 7 000 mm
  - Width 7 000 mm
  - Height 2 200 mm
  - Capacity 25 tons

### Heat Treatment Line

#### Heat Treatment

- ADI-Heat treatment (Austempered Ductile Iron)
- Case Hardening
  - Cooling in controlled atmosphere
    - Free air
    - Oil
    - Salt liquid
- PWHT, Normalization
- Heat Refining
  - Height 1 800 mm
  - Diameter 1 500 mm
  - Weight 2 000 kg

### Surface Treatment Facilities

- High pressure washing
- Pickling
- Sand blasting
- Painting



Heat Treatment Furnace

Heat Treatment Line



Surface Treatment Facilities

Sand Blasting



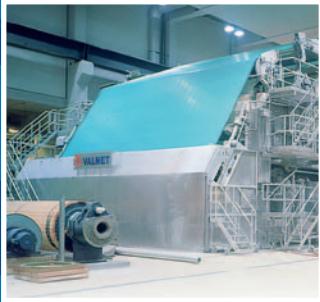
Surface Treatment Facilities



Surface Treatment Facilities

# Heavy Industry Subcontracting

## Pulp and Paper Industry



## Mining and Metallurgical Industry



## Energy Industry



## Offshore Industry



## Process Industry



# Pulp and Paper Industry

## Debarking Drum



## Bleaching Reactor



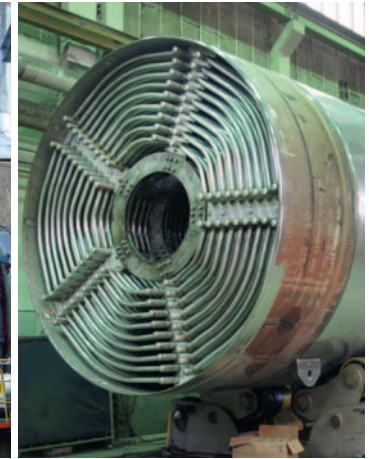
# Mining and Metallurgical Industry

Anode Furnace, Rotary Holding Furnace, P-S Converter, Isasmelt Furnace



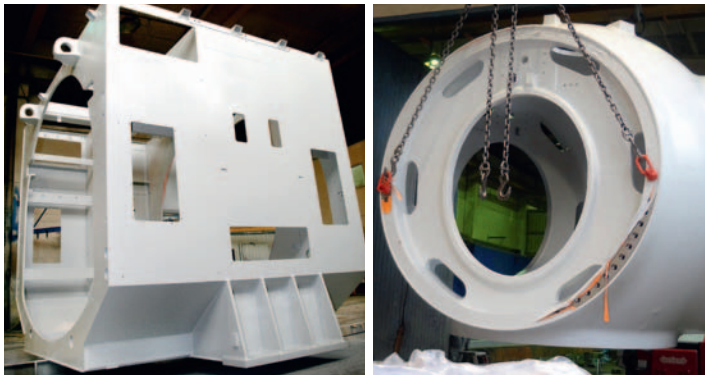
# Mining and Metallurgical Industry

Kumera Steam Dryer



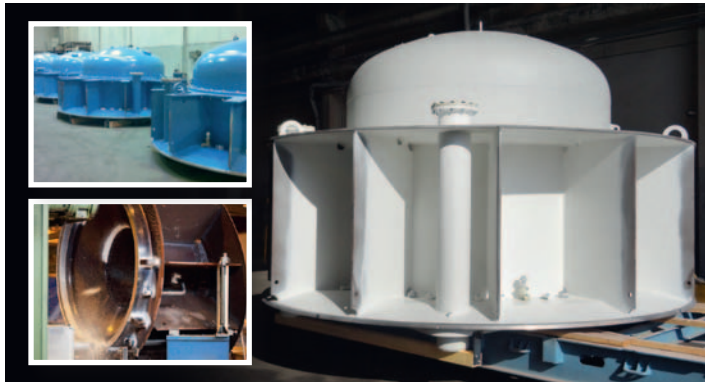
# Energy Industry

## Frames for Electrical Power Industry



# Offshore Industry

## Thruster Seating for Steering Propeller



# Process Industry

## Flash Tank & Top of Vacuum Distillation Column

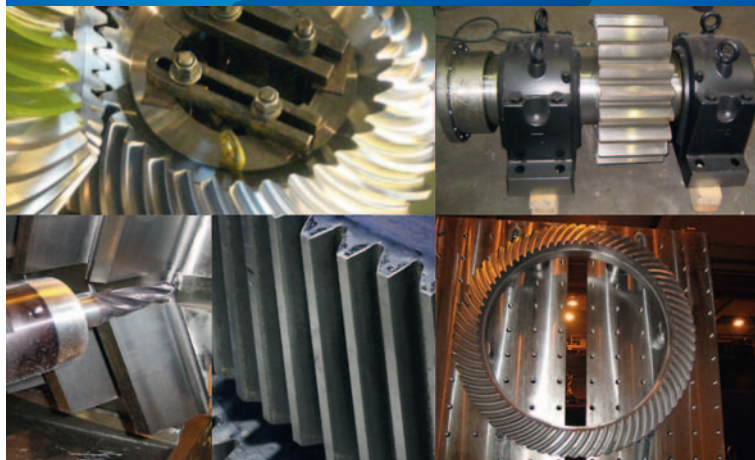


# Machining

## Energy Industry Components



## Power Transmission Components





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