



## Silencers for Power Plants & Marine Industry

**JTK Power**

HIGH-QUALITY SILENCER TECHNOLOGY



JTK Power Oy is a dynamic, medium-sized workshop that has specialized on the manufacture of demanding silencers for industrial use. We also manufacture air-raid shelter doors and other steel structures. We have the latest expert know-how in silencer technology and we are members of The Finnish Acoustics Association. We use modern methods in our manufacturing, e.g. CNC machines and submerged welding equipment. We also use the most recent software in our design and product development.

Our workshop is situated in Vöyri, along good transport routes. When you require specialist know-how, contact us! Together we will plan a high-quality functional and economical solution.

## Silencer technology

We design and manufacture high quality silencers. We also offer professional consulting services to solve any problems within silencer technology.

### Standardized silencer models

- 25, 35, 40 and 45 dB(A)

We also design and manufacture demanding special models and solutions in silencer technology on the basis of our customers' requirements.

### Materials generally used in various structures

- S235JRG2 (Fe37B) steels for general structural purposes
- COR-TEN and S355JOW weatherproof steel
- Aisi304 stainless steel
- Aisi316L acid proof steel
- 16Mo3 steel

### Design and product development

We use the most recent software in our field in design and product development.

- Autodesk Inventor
- Structural design of steel chimneys
- Acoustic design
- Flow loss measurements in piping



## Measurement

We are able to make full scale factory tests for noise reduction and pressure loss from duct size DN200 to DN1600. We can also do same measurements for customer components eg. filters, after treatment components etc.



## Power plants

- absorptive silencers
- general reactive silencers
- special reactive silencers for low frequencies
- integrated absorptive-reactive silencers
- design and manufacture of integrated silencer chimney structures
- steel structures
- charge/intake air silencers
- gas turbine exhaust silencers  
flue gas silencers



## Power Plants and Process Industry

- silencers for compressors
- silencers for vacuum pumps
- other silencers



## Marine industry

- spark arrestors
- absorptive silencers
- general reactive silencers
- special reactive silencers for low frequencies, eg. auxiliary engine firing frequency
- integrated absorptive-reactive silencers



## CNC-Machining

Our CNC-machining workshop is equipped with the latest models of CNC-turning, CNC-machining center and 3-coordinate measuring machine. Also our personnel is highly skilled.

### CNC-machining workshop

All of our products are inspected using modern measuring devices. Valve seat inserts are manufactured for exhaust and intake valves, of both large and small diesel engines. After inspection valve seat inserts are ready to be supplied to customers.



## Metal Doors

JTK Power Oy (subsidiary business name: Metalli Jokela) also continue to manufacture metal doors with the same professional expertise.

- Sliding fire doors, also power-operated options
- Folding doors, also power-operated options
- Cell doors (cells for drunks, lockup doors)
- Lead doors for eg. hospitals (radiation)
- Doors and hatches for air raid shelters; from light doors to S6-class concrete arch doors
- Wall tubes and equipment for light shelters and S1-shelters

The air raid shelter doors and hatches are under the quality control of Technical Research Centre of Finland (VTT) and they meet the requirements of the Ministry of the Interior.



# JTK Power

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