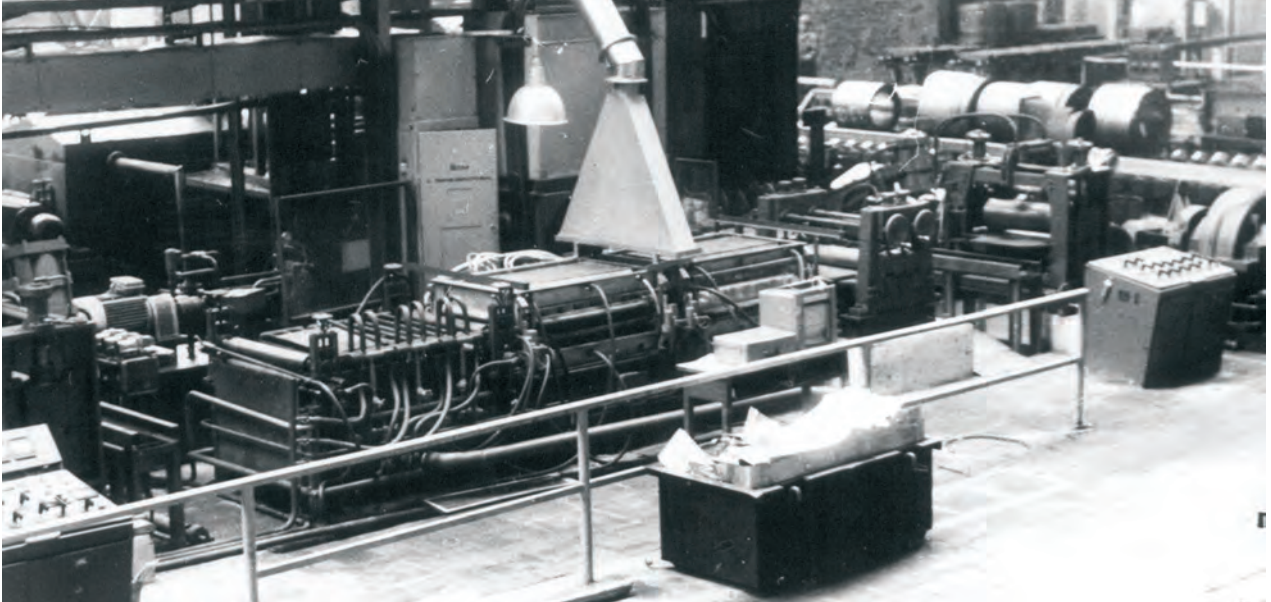


## INDUCTORS FOR HEAT TREATMENT OF FLAT-ROLLED METAL PRODUCTS



Plant for induction annealing at the rolling mill of metallurgical works

### Areas of Application

The offering is designed for hardening, annealing, and etching flat-rolled metal products in specialized annealing lines; can be used in ferrous and nonferrous metallurgy

### Specification

Total power, kVA	100–1000
Power supply	380 V/50 Hz
Yield capacity, t/h	2–10
Power factor	0.5–0.7
Heating temperature, °C	700
Specific energy consumption, kW · h/t	50–80
Efficiency, %	≥85
Strip width, mm	620 ± 20
Strip thickness, mm	0.4–4
Overall dimensions, m	1 × 1 × 0.6

### IPR Protection

IPR3

### Advantages

The specific electricity consumption is 2–4 times lower as compared with the conventional heating in resistance furnaces; no need in the use of mineral fuels; reduced metal fumes and equipment dimensions. Heat treatment of ferrous metals is carried out at a frequency of 500 Hz

### Stage of Development.

### Suggestions for Commercialization

IRL7, TRL8

Manufacture, delivery, warranty maintenance, and staff training, upon request

### Contact Information

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