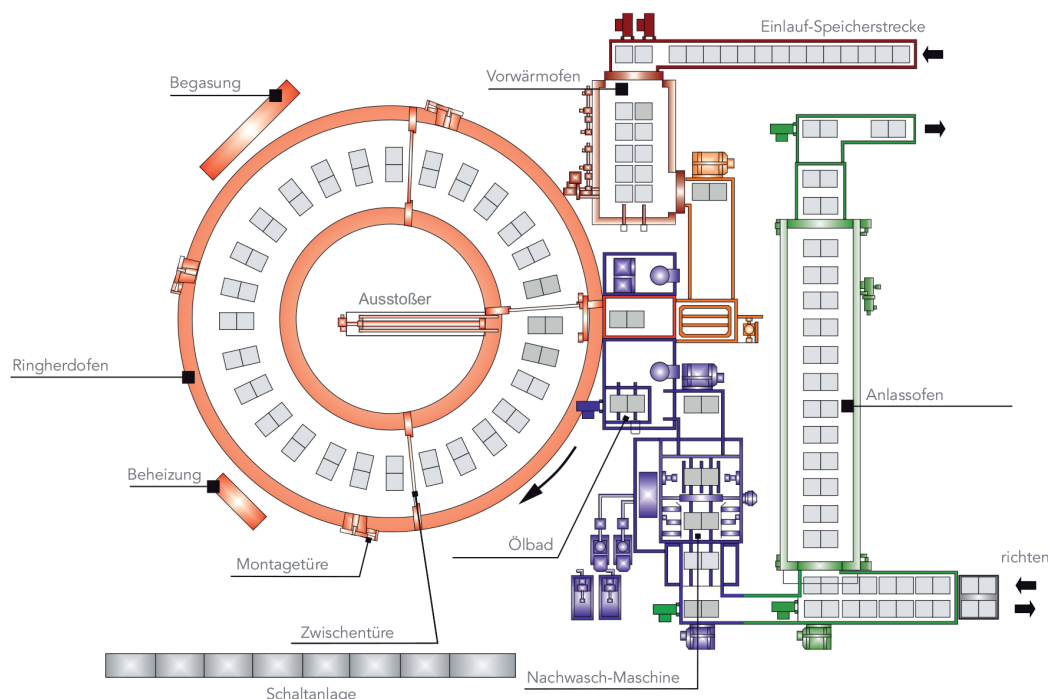


# Ring Hearth Furnace Plant

A new concept for carburizing and oil hardening  
of standard parts





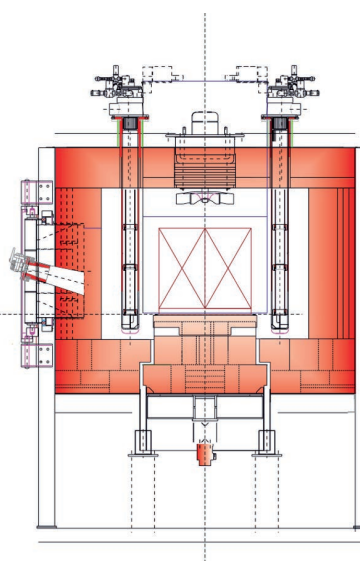
#### TECHNICAL DATA (Example of execution)

Plant Capacity	1.000 - 1.500 kg/hr gross with CHD 0,6 - 0,8 mm
Tray measures (double-)	2 x 400 mm x 500 mm x 700 mm (LxWxH)
Working temperature	max. 950°C
Gross heating up capacity	max. 1.500 kg/hr
Heat treatment parts	Shafts and wheels of 20MoCr4

#### APPLICATION

The outlined ring hearth furnace plant with oil hardening is an alternative to single-track pusher type furnace plants. The optimized combination of proven AICHELIN furnace design concepts of rotary hearth furnace and pusher type furnace plants results in extraordinary advantages for the end-user.

Thus the charging from the bottom and the oil bath immersion technology reduce both surface oxidation as well as process gas consumption. The zone separation by use of intermediate doors allows an accurate process. The simpler drive technology permits the operation of fewer motors. Moreover, the basic trays can be carried out in lighter construction and have a much higher life span. In addition, by new manufacturing concepts the assembly and putting into operation time is clearly reduced.



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