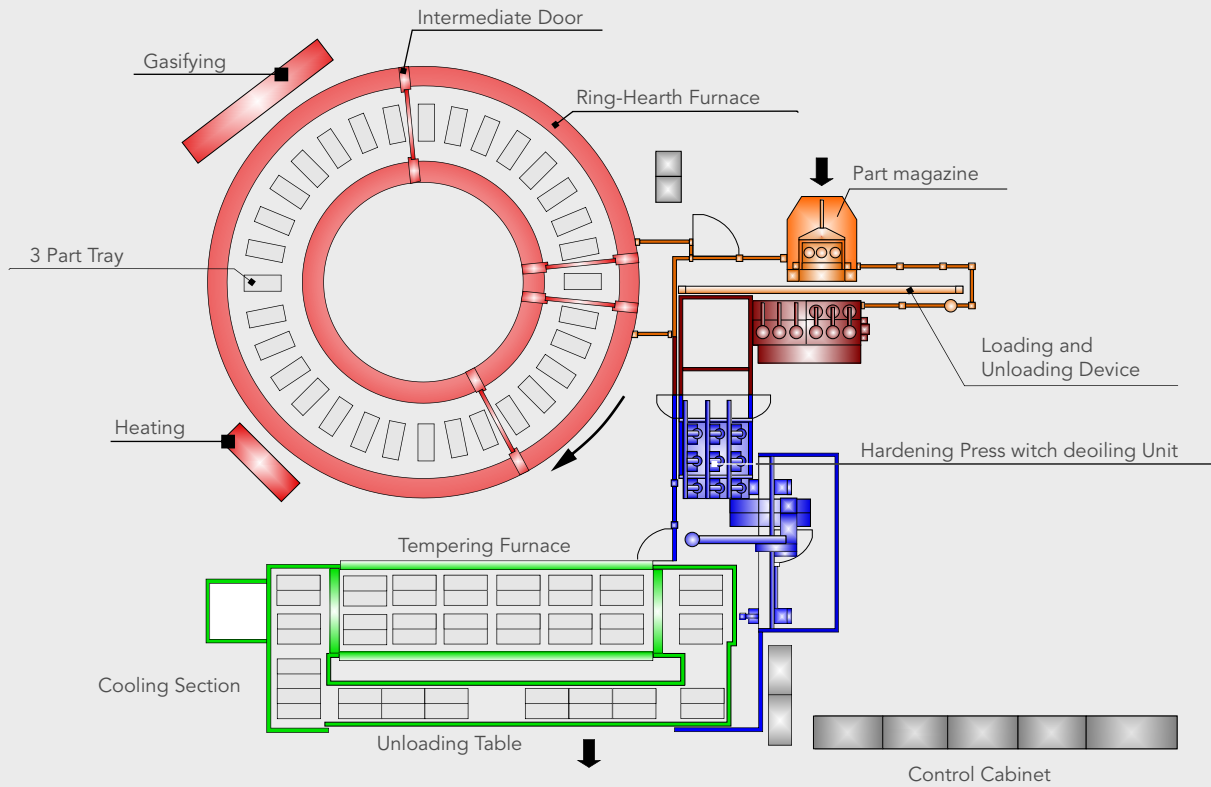


Ring hearth furnace plant



A new concept
for
carburizing and
press hardening
of standard
parts



► Technical data (example of execution)

Plant capacity	appr. 800 kg/hr net (180 pc/hr) with CHD 0,6mm
Tablet measures	880mm x 280mm (LxW); 3 parts / tablet
Working temperature	max. 950°C
Gross heating up capacity	max. 1.250 kg/hr
Heat treatment parts	Shafts and wheels of 20MoCr4

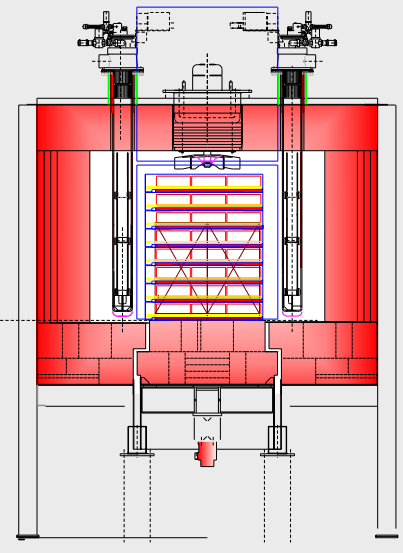
► Application

Up to now carburizing had to be done with carburizing depths over 0.6 mm, e.g. in the chamber furnace, and afterwards reheated again in the rotary hearth furnace and hardened under the press. Now the process steps can be combined efficiently in the outlined ring hearth furnace plant.

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.

The zone separation by use of intermediate doors allows an accurate processing. The simpler drive technology permits the operation of fewer motors.

The three-station hardening press is completely integrated into the control concept. In addition, by new manufacturing concepts the assembly and putting into operation time is clearly reduced.



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