

RELIABILITY AT WORK

RICHELIN
Heat Treatment Systems

Rotary hearth furnace plant with fixture rotation hardening machine



Fixtured
hardening
of
car
camshafts

WIN

WIN GROUP



Indonesia Headquarters

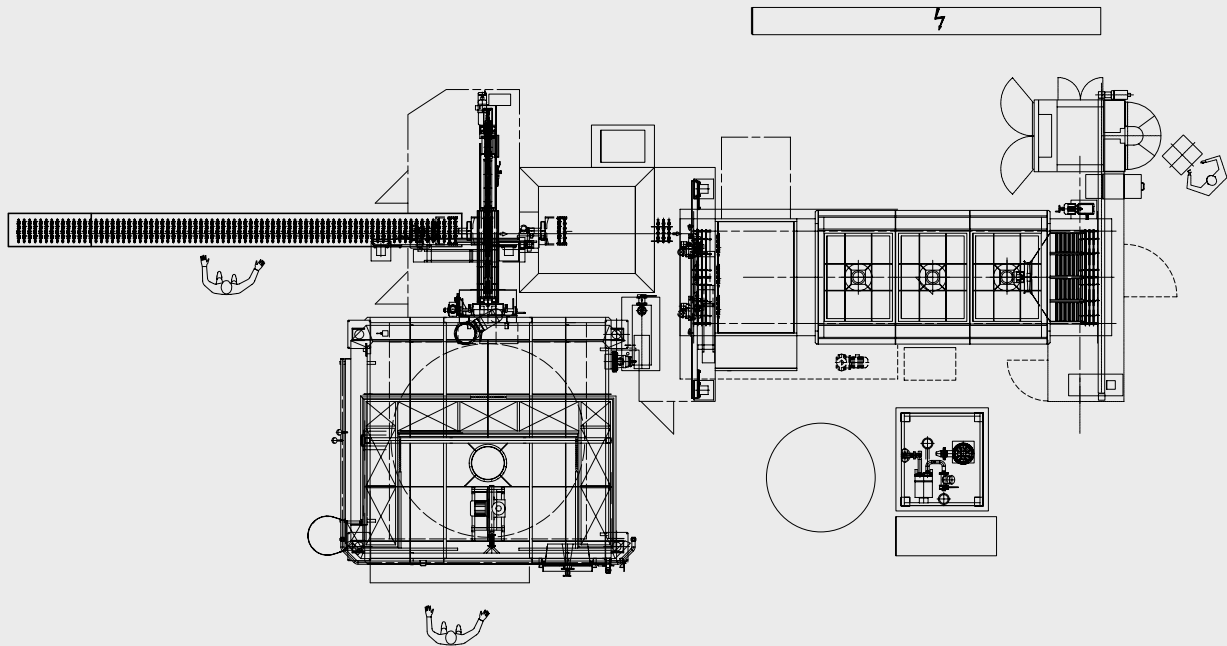
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► Technical data (execution example)

Capacity	100 camshafts / hour (à 4,2 kg)
Hearth diameter	3500 mm; 34 tray positions; 2 parts on tray
Working temperature	max. 950°C
Net heating-up capacity	max. 450 kg/hr
Heat treatment material	VW TL-4221 (16 MnCr 5)



► Application purpose

With rotary-hearth furnace plants with fixture rotation hardening machine cam shafts in reproducible quality can be hardened economically for example in the automobile industry.

The here introduced entire plant executes (after preceded carburizing in the chamber furnace) following process steps: Austenitizing, fixtured hardening, post-washing, tempering in the belt furnace.



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