

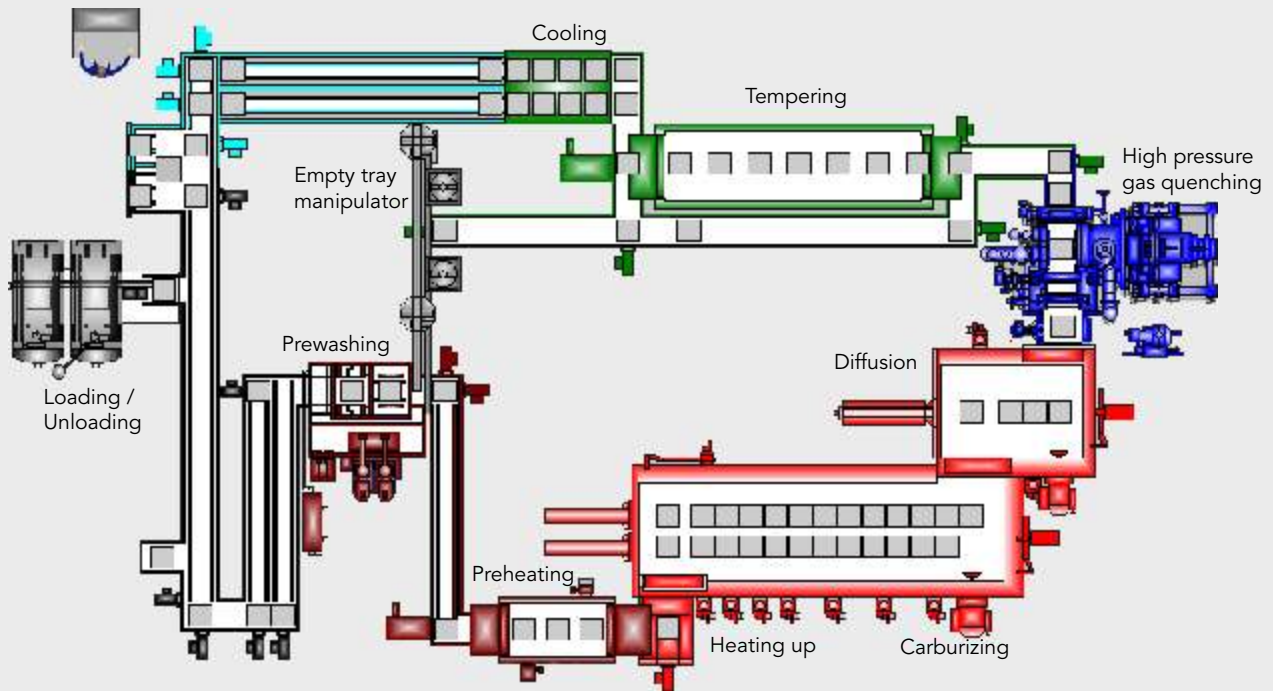
Pusher Type Gas Carburizing Plant with High Pressure Gas Quenching



Reliable
technique
combined with
state of the art
quenching
technology

► Technical Data (example)

Throughput Capacity	approx. 400 kg/hr net with CHD 1,4 mm 550HV
Weight of Charge	approx. 135 kg net, 175 kg gross
Furnace temperatures	400°C preheating, 925°C/860°C carburizing 170°C - 190°C tempering
Cooling gas	Nitrogen, up to 20 bar



► Purpose of use

With pusher type furnace plants for gas-carburizing high throughput capacities can be achieved in reproducible quality at low heat treatment costs, as for example in the automotive or gear industry.

Through the combination with a high pressure gas quenching system with up to 20 bar nitrogen, the processes washing after heat treatment and straightening are not necessary, depending on parts' geometry, material and required quality.

In single cases production costs can be reduced up to 20 percent.

Oil quenching devices at existing pusher type furnaces can be replaced by high pressure gas quenching systems.



AICHELIN Ges.m.b.H.
 Fabriksgasse 3
 A - 2340 Mödling
 Phone: +43 (2236) 23 646
 Telefax: +43 (2236) 22 229
 E-Mail: marketing@aichelin.at

AICHELIN Service GmbH
 Schultheiß-Köhle-Strasse 7
 D - 71636 Ludwigsburg
 Phone: +49 (7141) 6437 - 0
 Telefax: +49 (7141) 6437 - 100
 E-Mail: info@aichelin.de

NOXMAT GmbH
 Ringstraße 7
 D - 09569 Oederan
 Phone: +49 (37292) 65 03-0
 Fax: +49 (37292) 65 03-29
 E-Mail: info@noxmat.de

EMA Indutec GmbH
 Petersbergstraße 9
 D - 74909 Meckesheim
 Phone: +49 (6226) 788 - 0
 Telefax: +49 (6226) 788 -100
 E-Mail: info@ema-indutec.de