

Chamber Retort Furnace



for
gas-nitriding
nitrocarburizing
with nitriding potential
control system
steam oxidation
bright annealing

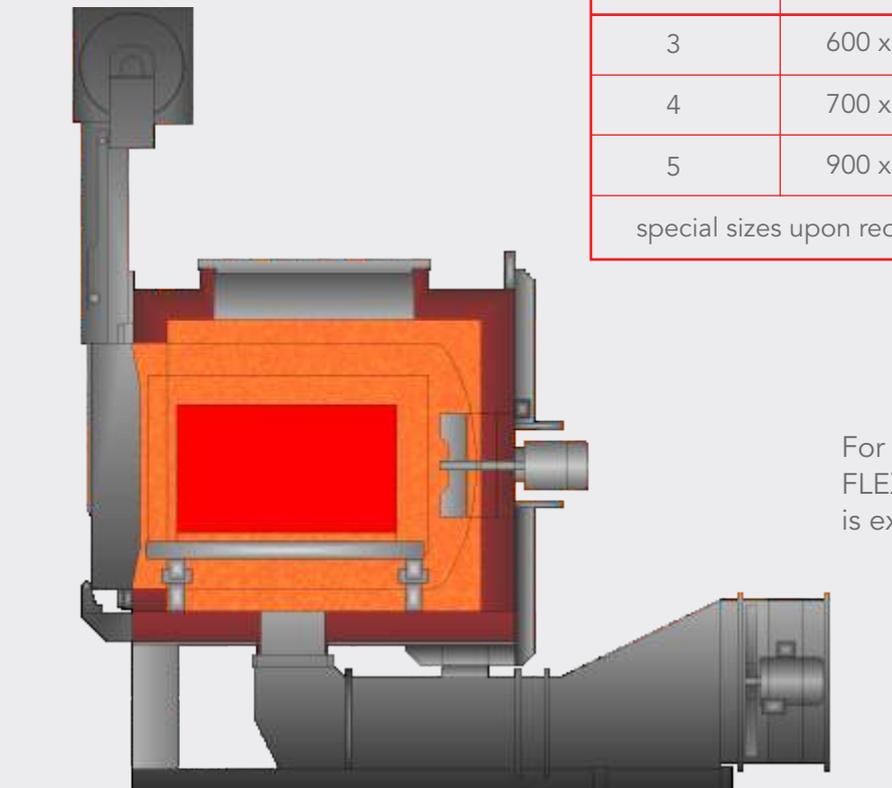
► The concept

Nitrocarburizing has acquired increasing significance especially by means of steam oxidation. The result of this heat treatment is a wear resisting oxidation layer which is similar to hard chrome plating and also shows a comparably good corrosion resistance. A desirable secondary effect is the black or anthracite coloured piece parts surface. This treatment requires furnaces with a gastight steel retort. The heating can take place electrically or with industrial gas burners. The chamber retort furnace, especially designed for that purpose, offers all the conditions for an economic heat treatment with reproducible results:

- high temperature uniformity
- strong gas circulation
- little need of process gas
- programmable heat treatment process
- controlled oxidation layer by means of lambda probe
- extremely high cooling rate through rapid indirect cooling system

This furnace line shows all the advantages of vertical retort furnaces, but neither needs pits nor hoists. It can be charged easier and integrated into existing AICHELIN chamber furnace lines.

► Standard types



Size	Charge measurements (W x H x L) [mm]	Gross load [kg]
3	600 x 650 x 1100	650
4	700 x 850 x 1300	1000
5	900 x 850 x 1500	1200
special sizes upon request		

For precleaning our FLEXICLEAN[®]-washing machine is extremely suitable.

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