



Hydraulic Curing Press for passenger car (PCR)

Modular
Customized
Reliable



TireTech Group

*Performance. Passion. Partnership.
Innovative Engineering since 1855.*

Product information

HF, always driven to bring **innovative concepts** to the market, brought the first hydraulic column type curing press to the tire industry in 1997. Since then we continued to **develop this product** to meet the **demanding requirements** of our customers.

While we design presses for your **further expansion needs**, we also understand the **importance of utilizing your existing infrastructure** in your plants all around the world.

Due to our **compact design** we are able to provide **slim solutions** for your **replacement** purposes.

HF presses can be built **modularly** to include the required center mechanism SMO, loader and unloader chuck, green tire stands, cooling conveyors with or without PCI and associated safety items.

Features

- » Main locking and squeeze components outside of the heated area
- » Achieves optimal tire concentricity
- » Press availability at benchmark level
- » Straight and angle type press designs available
- » Reduced wear, longer press life, improved cycle time and uniformity
- » Easier to maintain due to improved access to the important areas of the press
- » Proven energy saving systems
- » Built according to the latest safety, environmental and manufacturing requirements

Main Technical Parameters

Item	Unit	46" Curing Press	48" Curing Press	52" Curing Press
Cavity control		common/independent	common/independent	common/independent
Max. closing force	kN (t-force)	1.600 (180)	1.600/1.800/2.000 (180/200/225)	1.800/2.000 (200/225)
Tire Parameters				
Min./max. Bead diameter	inch	12-20/14-25	12-20/14-25	14-25
Max. Green tire outer diameter	mm (inch)	850 (33,5)	920 (36,2)	1.000 (39,4)
Max. Cured tire outer diameter	mm (inch)	850 (33,5)	920 (36,2)	1.000 (39,4)
Max. Cured tire height	mm (inch)	406 (16)	450 (18)	450 (18)
Mold Container				
Type of mold		2-piece/segmented	2-piece/segmented	2-piece/segmented
Max. outer diameter	mm (inch)	1.168 (46)	1.219 (48)	1.321 (52)
Min./max. mold height	mm (inch)	508 (10-20)	250-610 (10-24)	250-610 (10-24)
Heating Platen				
Outer diameter	mm (inch)	1.168 (46)	1.219 (48)	1.321 (52)
Center Mechanism				
		bag-in-well/standing post (pit or pitless design)	bag-in-well/standing post (pit or pitless design)	bag-in-well/standing post (pit or pitless design)
Green Tire Stand				
		hanging/shoulder type (single or multiple)	hanging/shoulder type (single or multiple)	hanging/shoulder type (single or multiple)
Pneumatics				
Hydraulic Concept				
from 1:1 to 1:6 or more				
Heating System				
piping and manifold concept available various media available (steam/N ₂ , steam/steam, hot water, etc.)				
PLC Systems/Automation				
main suppliers available				
Safety				
according to local safety standards				

