



PRESSES

MECHANICAL • HYDRAULIC • SERVO

Hydraulic Wheel & Axle Press

HWA Series

400T - 630T

Latest Technology

500T Wheel Press installed at Patiala



Salient Features

- Electronic Pressure recording System to monitor & record Mounting Operations Parameters
- Precision mounting and dismounting of Railway Wheels, Gears & Bearing
- Gauging system capable of Positional Accuracy within + 0.2 mm or better
- Both side Wheels Pressing in single setup without rotation by 180 Deg.

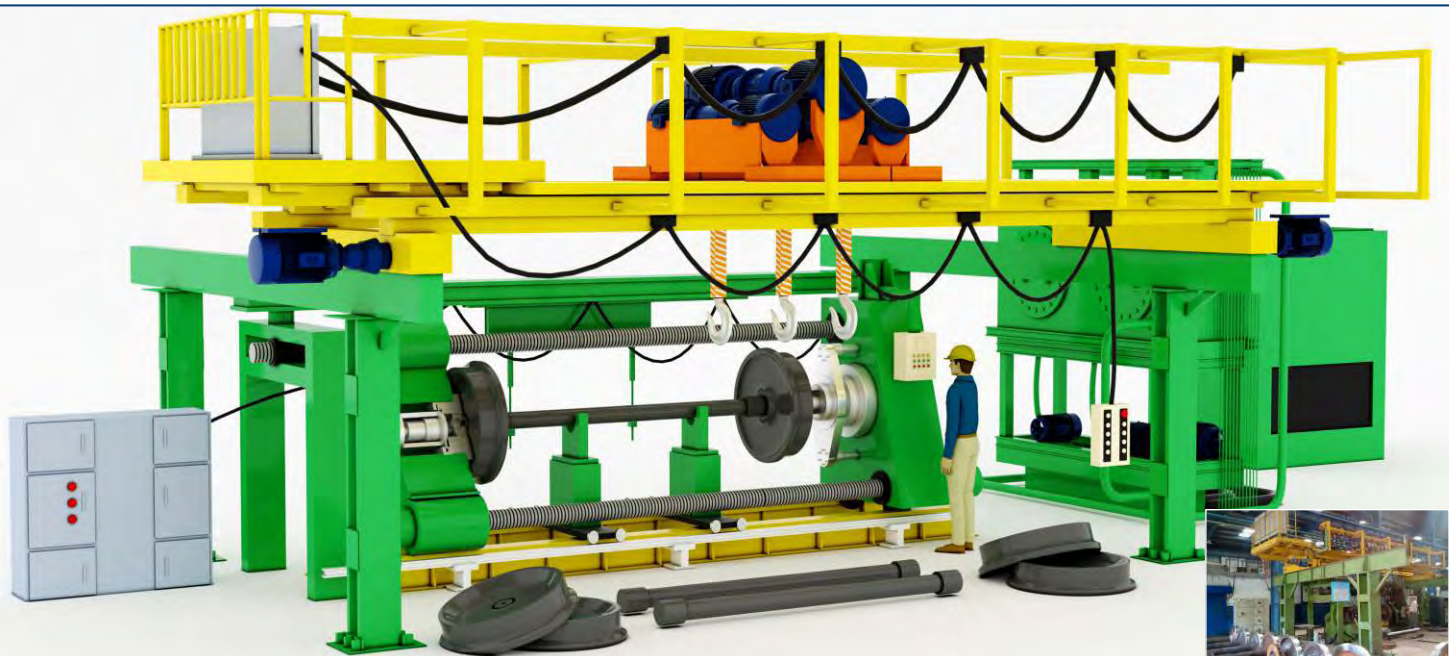
- Record of Wheel, Axle, Brake Disc, Operator Identification etc.
- Motorized step less adjustment of daylight on accurately Machined Columns
- Safeties of man & machine conforming to International Standards
- An Integral Crane unit consisting of 3 Nos. hoists for handling Wheel Sets is Optional

Safeties conform to:
CE (EN-16092 : 2018)
 OSHA 1910.217
 CSA-Z142
 NR-12

ISO 9001:2015
 ISO 14001:2015
 OHSAS 18001 :2007

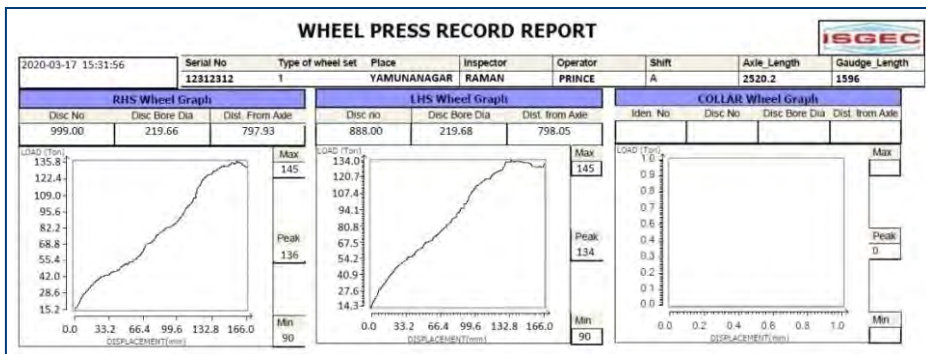
Excellent Reliability • Automated Operation • Highly Intelligent MIS

50+ Wheel & Axle Presses Since 1980



Schematic view of
Wheel Press with Modernized Wheel
Gauging & Pressure recording System

500T Wheel and Axle Press
for Railway Products Units



- ### Standard Accessories
- Ram Stroke Pre-selection System
 - Retractable centers (60 & 90 Degrees)
 - Pressure recording
 - Measuring Device & Precise Wheel Positioning System
 - PLC with MMI
 - Hydraulic Power Pack

Technical Specifications

Description	Unit	WA-400	WA-500	WA-630
Ram Force	kN	4000	5000	6300
Max distance between Ram & Resistance Head	mm	3000	3000	4000
Max Wheel Diameter	mm	1250	1400	2500
Max ram speed	mm/s	30	30	10
Pressing speed	mm/s	3	3	1.5
Max return speed	mm/s	40	40	50
Ram stroke	mm	600	600	600

- ### Optional Accessories
- Motor Driven High pressure Pump
 - Handling System
 - Electrical Hoist
 - Tooling

Wide Range of Presses

Servo Presses • Transfer Presses • Progressive Presses • High Speed Presses • Hot Stamping & Hot Forming Hydraulic Presses
Standard Straight Sided Mechanical & Hydraulic Presses • Blanking Lines • Tandem Press Lines - Mechanical & Hydraulic
Cold Forging Presses • Tryout & Die Spotting Presses • Gap Frame & Ring Frame Power Presses • Special Purpose Presses



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Malaysia • Mexico • Poland • Russia • South Africa • Spain • Thailand
Turkey • USA • Vietnam

Some of the accessories / fittings shown in the reference photograph may not be part of Standard equipment supplied.
Isgec reserves the right to change specifications without prior notice.
Details given in this Brochure are indicative & may change.