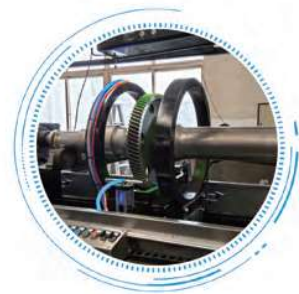


MPI SYSTEMS



CHiNDT has more than 20 years experience in manufacturing standard and custom MPI systems for various industries, i.e. aerospace, defense, automotive, energy, railway, nuclear, OCTG, etc.



MPI System



Data Sheet for CHiNDT Standard MPI System

- Clamp Distance: 500mm-6m (1.5-20'), customize-able
- Current: 1,000-15,000A, AC/FWDC/HWDC, single phase/3 phase
- DeMAG: AC or DC DeMag
- Recipe: 1-100 recipes per request
- Part Rotation: per request
- Openable Roof: per request
- Right Stock: electric moving
- Coil Dimension and Quantity: per request
- Clamping of Parts: pneumatic driven
- Spray: auto and manual
- Suspension Tank: 40-100L, per request
- Magnetization: single vector, multiple vector

STANDARD MPI BENCH

Explore More CHiNDT equipment in next page.



Standard Mag Bench with Hood

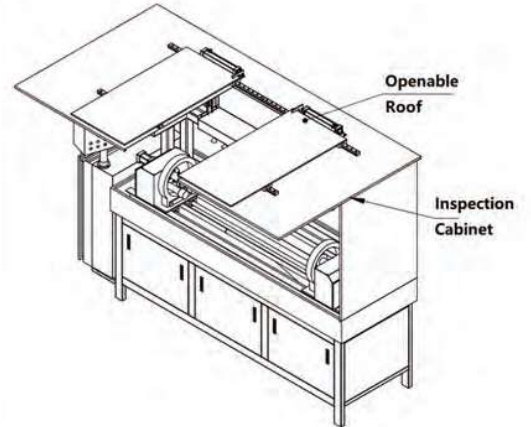


MPI System

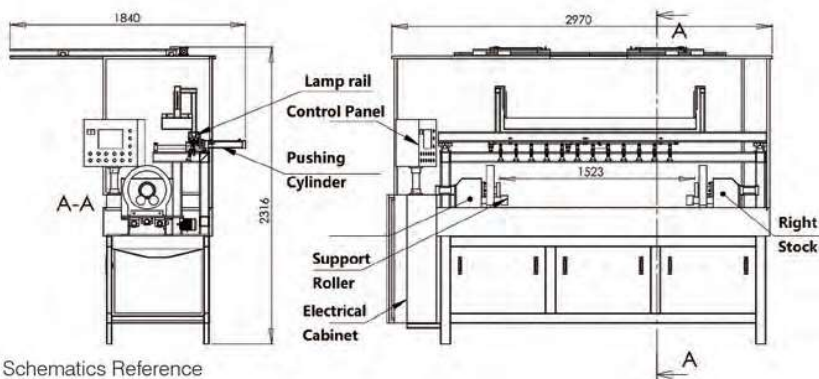


Economical Standard Bench

For NDT
Training School



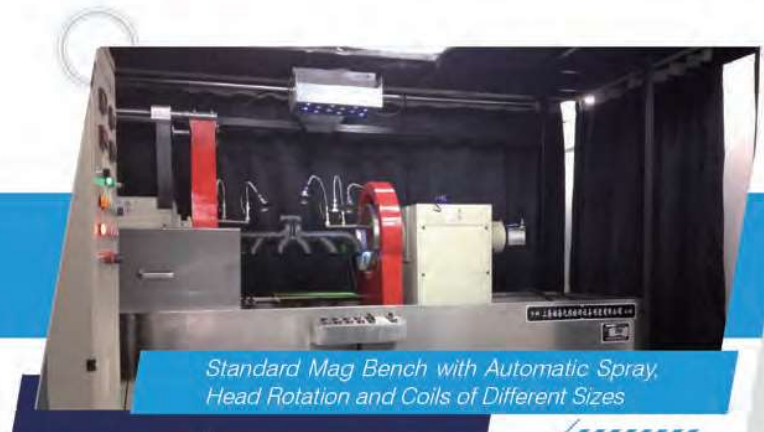
STANDARD MAG Bench Structure



Schematics Reference



Standard Mag Bench with Automatic
Spraying and Head Rotation



Standard Mag Bench with Automatic Spray,
Head Rotation and Coils of Different Sizes

Standard Mag Bench with Steel Frame Hood





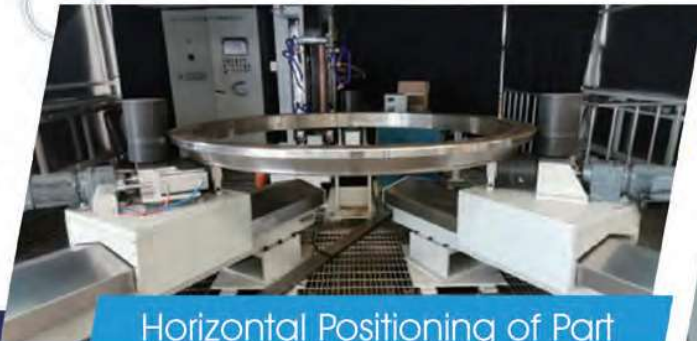
MPI System

CUSTOM MPI SYSTEM

For Wind Energy Industry



MPI System for Bearing Ring up to 5,000mm (16.5')



Horizontal Positioning of Part



Non-contact Induction Magnetization



Non-contact
Multiple Vector



Gear Axle



Gears



MPI System

CUSTOM MPI SYSTEM

For Aviation Industry



MPI for Landing Gear

Multiple coils at various directions to avoid too much positioning during operation.



MPI for Engine Blade Inspection

- Non-contact magnetization
- Multiple parts inspected simultaneously



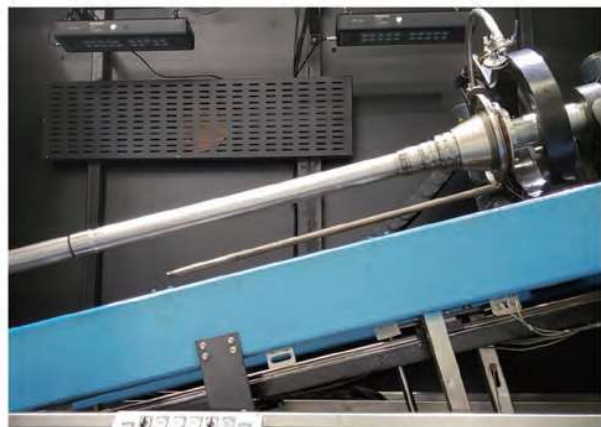


MPI System



MPI with UV Endoscope For Engine Shaft

Defects to be detected: All superficial cracks on surfaces can be defects.





MPI System

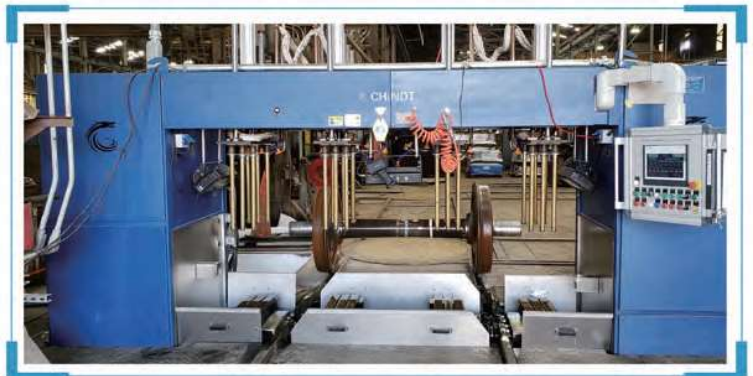


CUSTOM MPI SYSTEMS

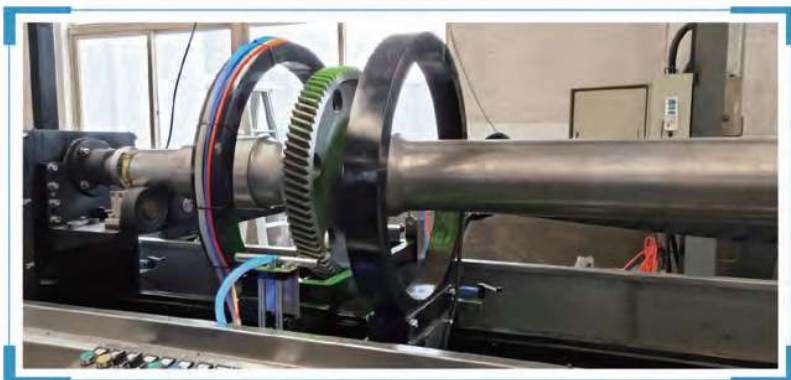
For Railway Industry



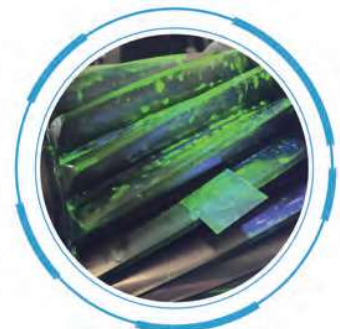
Railway Axle MPI System



Wheel Set Inline MT System



High Speed Train Axle Mounted With Gears MPI System





MPI System

MT System for Petroleum and Steel Industry

Features: The systems are inline systems to perform MT on pipes, round bars, square billets, couplings and pipes, etc. Non-contact magnetization methods are adopted and sparking can be avoided per API 5CT.



Multiple Station Pipe End MPI System



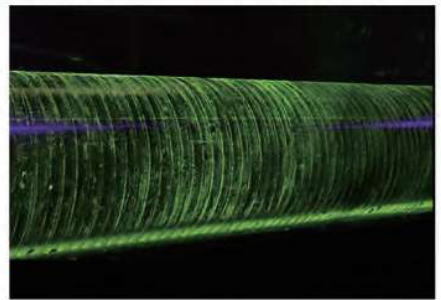
Pipe End Non-contact Multiple Vector MT System



Transportation Rollers and Bench for Round Steel Bar



Non-contact Multiple Vector



Round Bar in-line MPI



Square Bar in-line MPI



Square Bar in-line MT Station with Non-contact and Multiple Vector Functions



Automatic Loading



Automatic Rotation



MPI System

SPECIAL MPI SYSTEMS

CHINDT have enormous experience in almost all manufacturing industries.



Large Part Magnetization PowerPack



Machinery Industry MPI System



Automatic Crankshaft MPI Line with Robot Loading and Unloading

