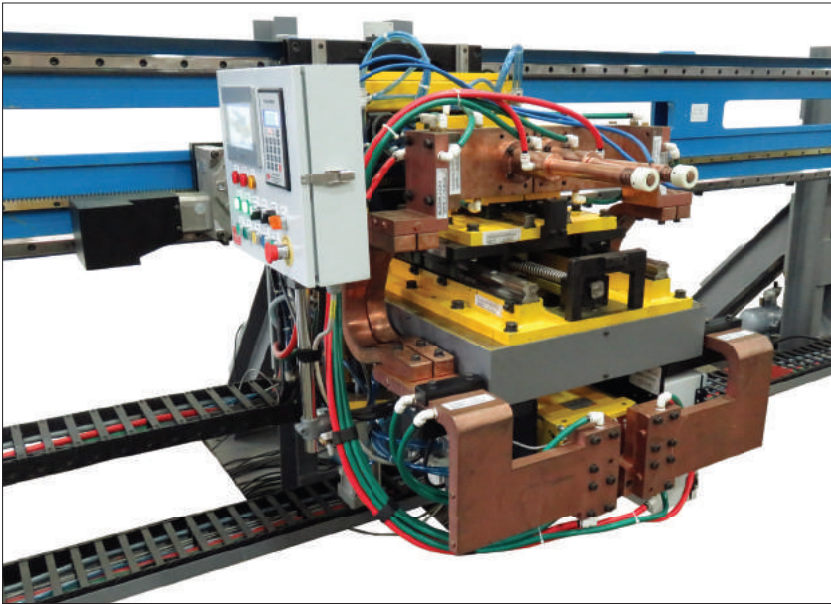




# Weld Guns for Railway Rolling Stock



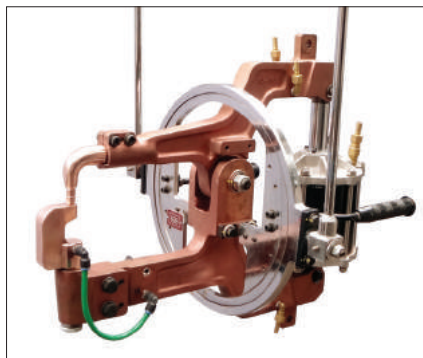
Servo Driven Double Spot Welder  
for Metro Coach Side Wall



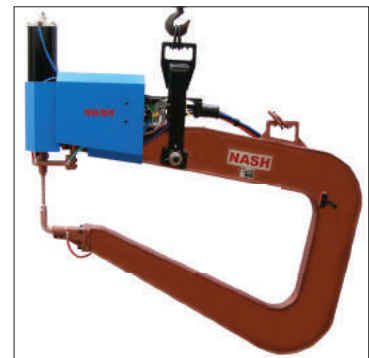
MFDC Robot Gun  
for Metro Side Wall / Roof Welding



TD 432 X TG 203 - 2900 kg Force



TD 280 X TG 180 - 900 kg Force



Medium Frequency Gun for Metro  
Roof Welding TD 1500 X TG 600

- Turnkey installation for metro rail body shop consisting of High force guns, Transformers, Controllers & Gantry systems
- Forces ranging from 400 kgs to 2900 kgs
- Guns and machines specially designed for metro rail cab for welding of stainless steel body





Spot Welding Machine  
300 KVA



Spot Welding Machine  
100 KVA



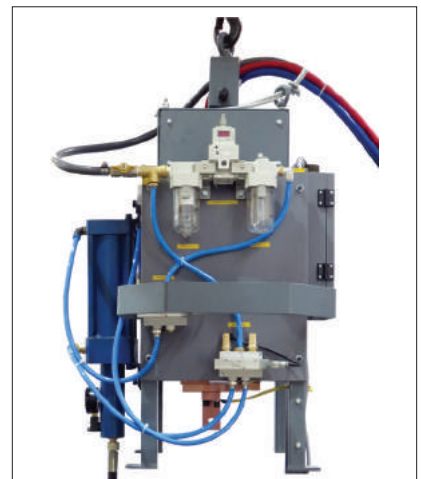
Tensile Testing Machine  
Capacity 10 Tons



Pneumatic Gun - C Type

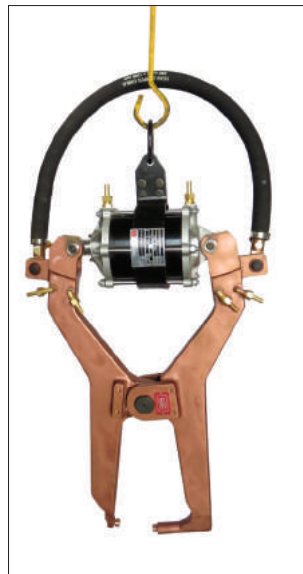
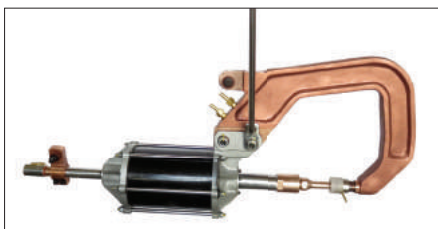
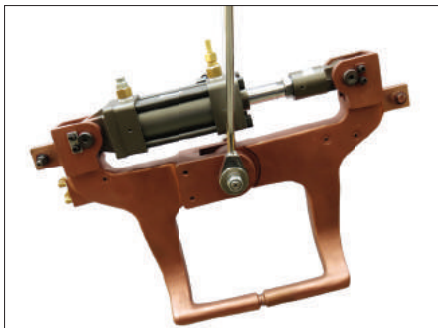


Robotic Tip Dresser



Portable Transformer  
upto 300 KVA

## Pneumatic and Hydraulic Guns





## MFDC Weld Controls

NASH MFDC Resistance Welding Controller is based on Medium Frequency (MF) Inverter welding technology. This replaces the 50/60Hz thyristorised AC welding system. The MF control energizes the medium frequency welding transformer at 1000Hz. The final output welding current is DC. Operation at medium frequency gives better control over the welding process.

The entire programming and monitoring is carried out by the use of detachable programmer incorporating 20 characters, 4-line LCD display along with 17 keys keyboard. The display reading and messages are given in a readily understood form. The Programmer can be permanently fitted near the station or can be attached to a controller when required for programming or troubleshooting.

### Features: Electronic Reset Box

- 2 line 16 character Blue display
- 5 keys, Mode key : change weld / no weld and force test mode with LED indication, separate key for stepper reset
- INC / DEC Key : For 64 program selection
- Reset key : Reset the error and change the main screen
- Toggle s/w for coated and non coated program Selection
- Control ON / OFF Switch for control power On / Off



### Reset Box with LCD display & without LCD display

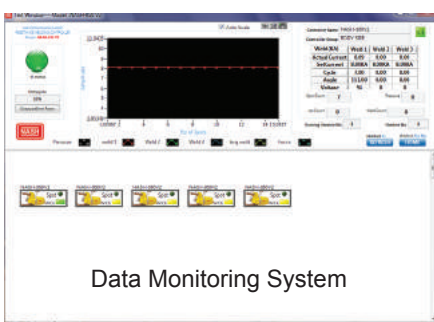
## ADVANCED MICROPROCESSOR AC WELD CONTROLLER - NASH 960

- 64 Programs • Password Setting • Triple Heat Sequence • Slopes
- Constant Current primary/secondary • Seam Welding Mode • Proportional Valve output • Steppers • Inputs for Automation Purpose and Robotic Welding • Chain Sequencing • Networking - Ethernet/Profibus/Devicenet Connectivity • Option of Single/Dual/Triple Gun Operation

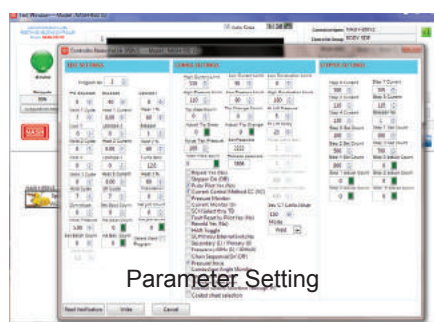


Remote Programming

(Optional) Lab view based NASH make PC software for Programming and monitoring. (pl. ask for a separate catalogue for networking details)



Data Monitoring System



Parameter Setting

### Networking Features

Networking card is optional and can be interfaced at later date.

### Live SPC graph facility

At any given time for any number of spots 'X' chart 'R' chart & Histogram can be viewed on the PC & printout can be taken.

### Vehicle Spot History

Spot history of every controller day, datewise will be stored in the PC.

# CEARS GANTRY SYSTEMS

## Overhead Material Handling Systems

- Single Girder Crane ● Double Girder Crane ● Monorails ● Track Changers
- Turntables ● Friction Wheel Drives ● Monorails with Internal Bus Bars
- Curved Runways ● Electric Chain Hoists ● EMS Systems



CEARS Gantry System is a proven system and efficient solution for variety of overhead material handling requirement for auto and engineering industry. CEARS Gantry System is used for handling and assembling of heavy material in three dimensional work space. The operator does not feel the fatigue in handling heavy material which results in enhancement of production to great extent.



Pillar Mounted Jib Crane



### Electric Chain Hoists from LIFTKET, Germany

Capacity: 125 kg - 25000 kg

Hoist with  
Electric Trolley

NASH reserves the right to change specifications and appearance without prior notice.

### NASH Robotics and Automation Pvt. Ltd.

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ISO 9001 Company

