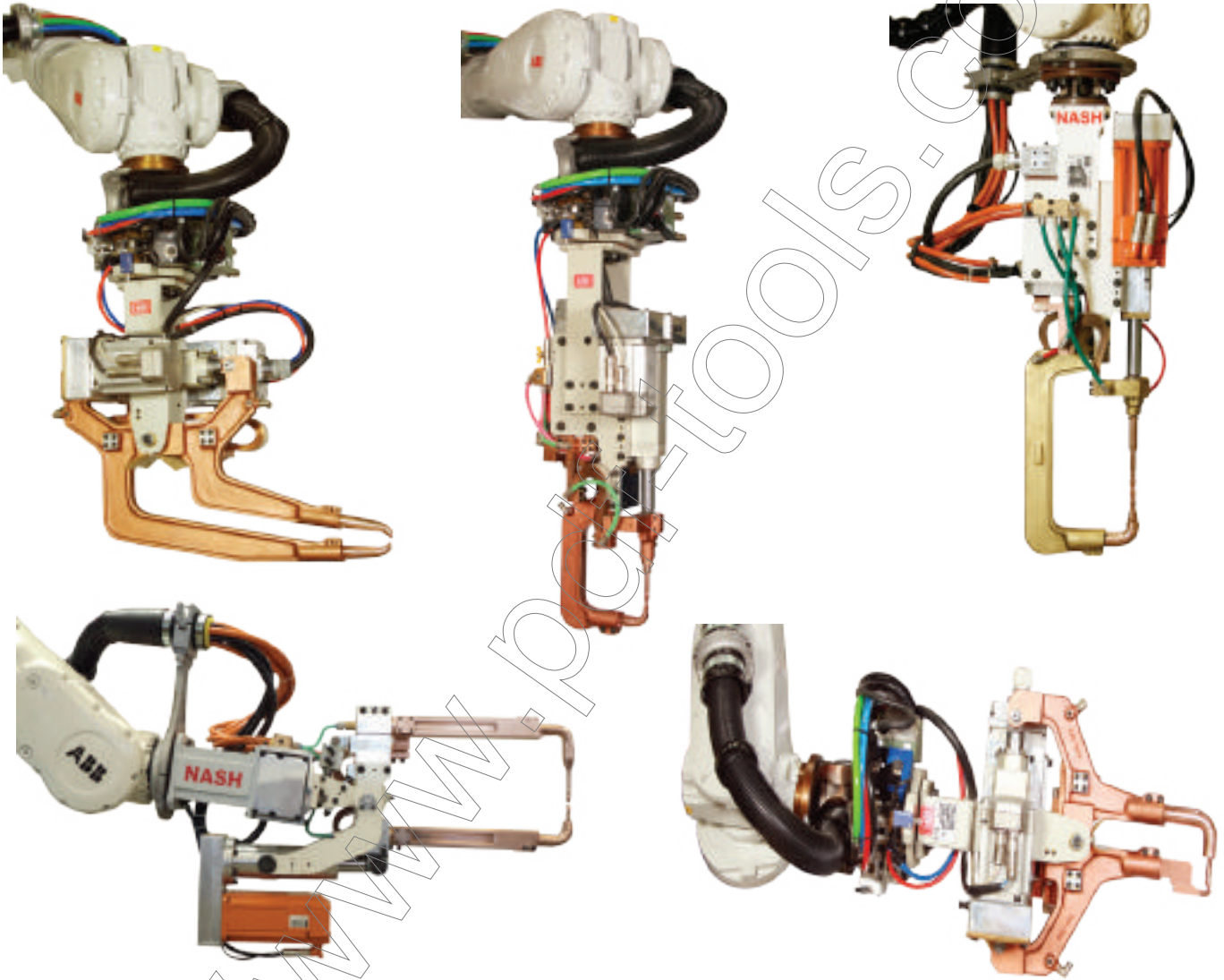




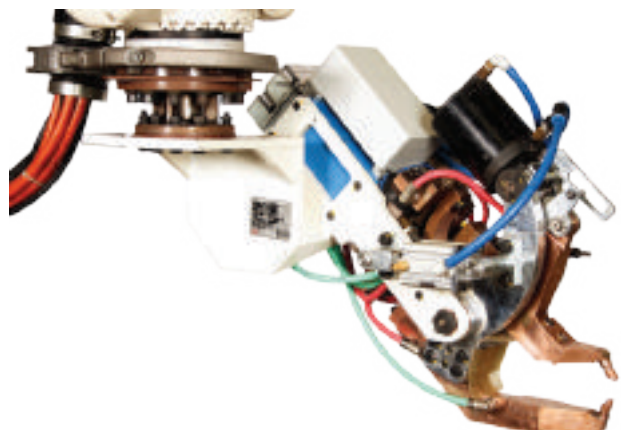
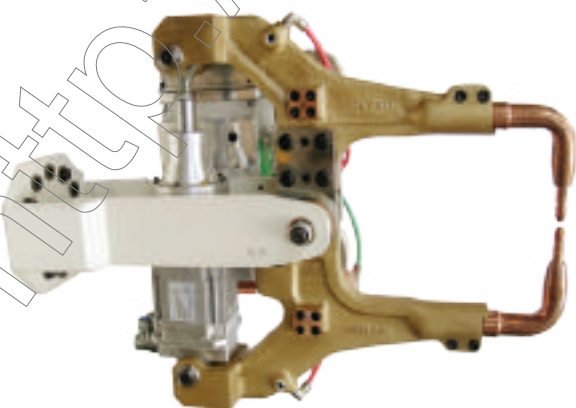
**ROBOTIC CELLS (Spot & CO<sub>2</sub>) / ROBOTIC GUNS /  
FIXTURE GUNS A/C / MFDC / SERVO**

**Electric Servo Robotic Gun Belt Driven**

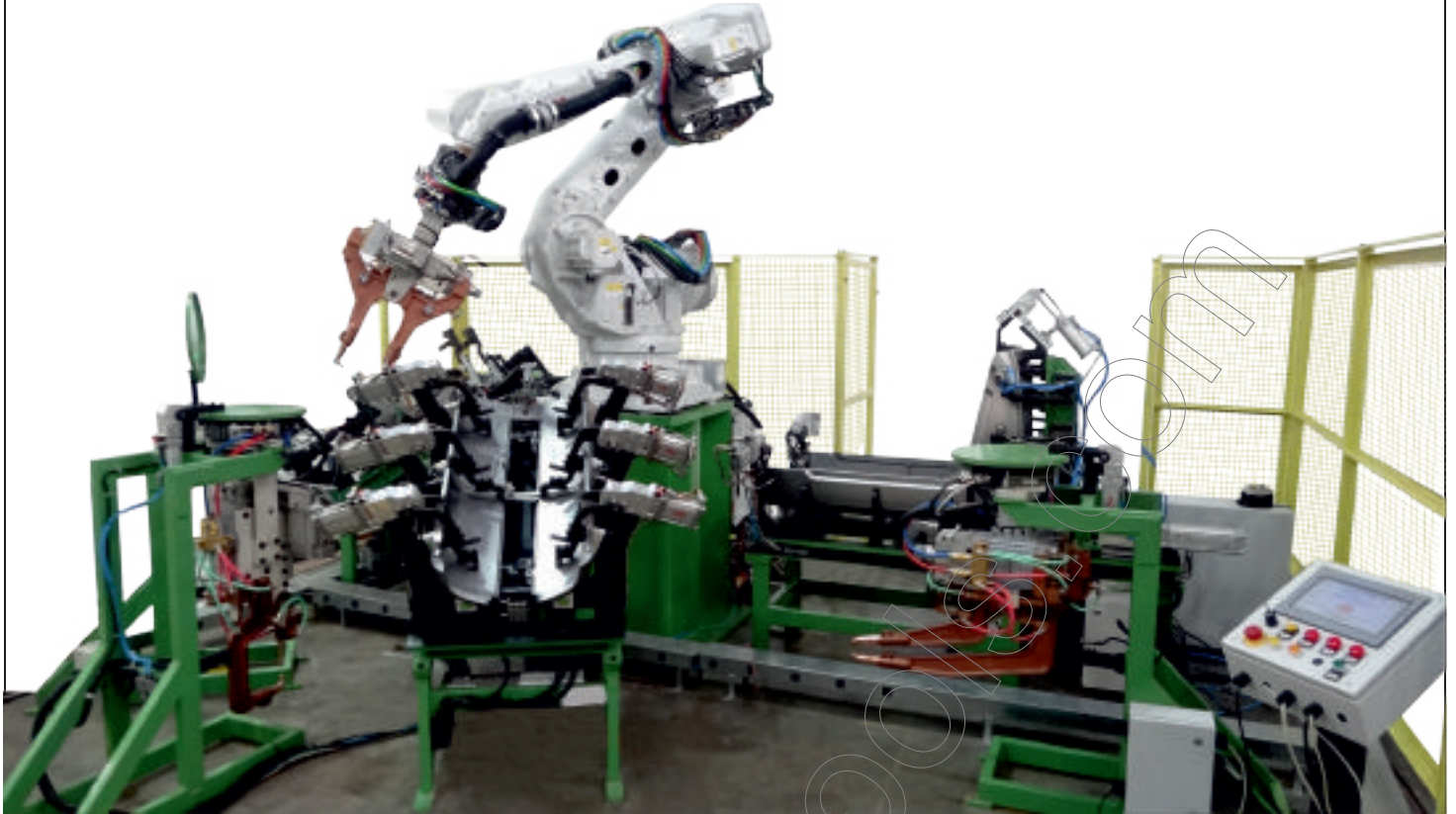


**Inline Servo MFDC Robotic Gun**

**Pneumatic Robotic Gun with Spring Equalizing**



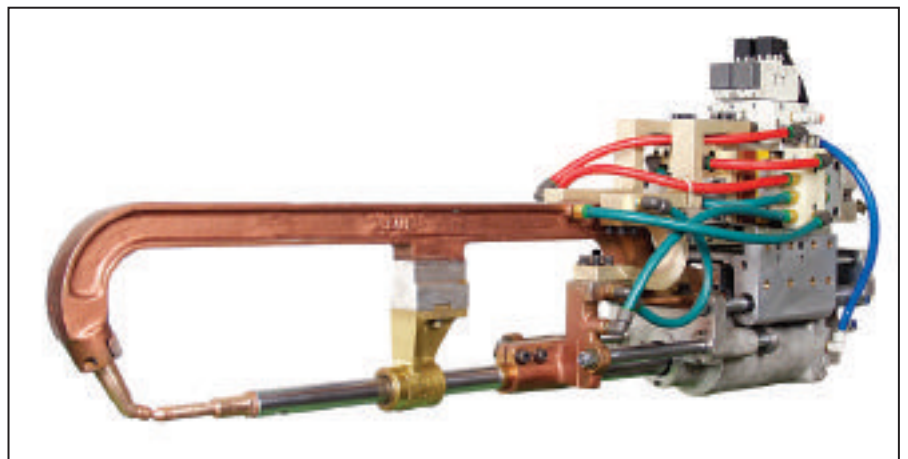
## Electric Servo Robotic Gun Belt Driven



### Spot welding cell for 'Stub Nose Hood Component'

- ABB Spot Welding Robot - 235kg payload & 2.65 meter reach - 01 No.
- Servo-driven Spot Welding Robot Guns - 04 Nos.
- Automatic Tool Changer (OT Robot Side + 04 Gun side)- 01 Set.
- Gun Docking Stations - 04 Cells
- Automatic Tip Dressers - 02 Nos.
- Component Holding Fixtures with Pneumatic Clamps - 03 Nos.
- PLC, HMI, Operator Pendant etc & Peripherals - 01 Set.
- Safety Fencing with Light Guard Curtains  
& Maintenance access door - 01 Set.

Auto Guns





## Selection Options

### Gun Arm Materials

- |                                 |              |                                |
|---------------------------------|--------------|--------------------------------|
| 1. Cr.Zr.Cu. Alloy              | RWMA Class-2 | For Medium Electrodes Forces   |
| 2. 0.6% Be.Cu. Alloy            | RWMA Class-3 | For High Electrode Forces      |
| 3. High Tensile Brass           |              | For Low to lower Medium Forces |
| 4. High Tensile Aluminium Alloy |              | For very long TD, TG Guns      |

### Transformers

1. Full Range of ISO AC Transformers (36, 48, 54, 61, 75, 103 KVA)
2. Full Range of ISO MFDC Transformers (56, 75, 100, 200 KVA)

### Controllers

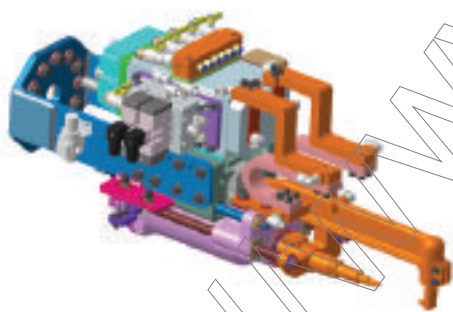
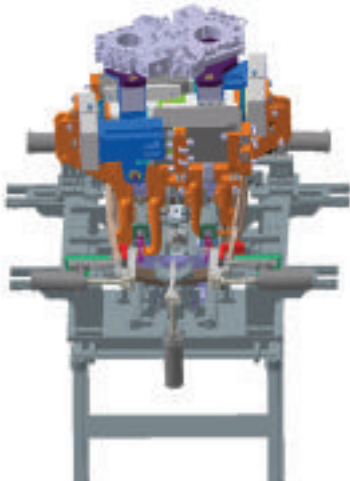
1. AC Controllers
2. AC Inverter Controllers
3. MFDC Controllers
4. MFDC Adaptive Controllers

### Electric Servo Motors

1. Belt Driven Actuator
2. Inline Actuator

### Pneumatic Cylinders

### 3D Gun Simulation Capabilities by Delmia Software



### Robotic Electrode Dressers Model : NTD-1000RE

Electrical Driven for Robotic and Stationary applications.

Please ask for separate catalogue.

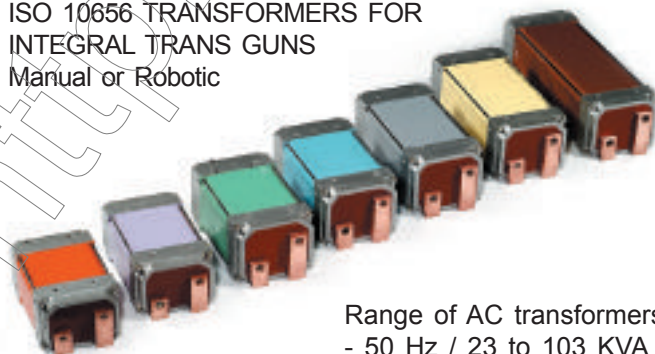


### Automatic Torch Cleaning Station for Arc Welding Robot Cell

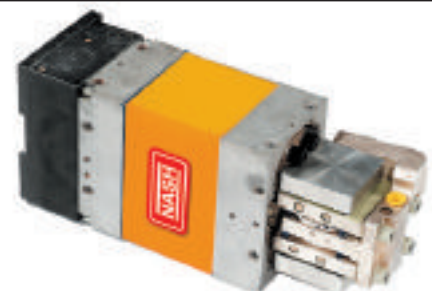
Single station solution for spatter removal, spraying and wire cutting.



### ISO 10656 TRANSFORMERS FOR INTEGRAL TRANS GUNS Manual or Robotic



Range of AC transformers  
- 50 Hz / 23 to 103 KVA



Medium Frequency Transformer  
1000 Hz / 56, 75 and 100 KVA

## Robotic CO2 Welding Station for CCB (For SUV)



### Robotic Co2 Welding Station for CCB (SUV)

- Motoman Co2 Welding Robot - 01 No.
- Component Holding Fixtures with Pneumatic Power Clamps - 02 Nos.
- Servo\_driven Rotary Index Tables for Weld Fixture Rotation - 02 Nos.
- Nozzle cleaner & Wire Cutter Unit (Not shown in the picture) - 01 No.
- PLC, HMI, Operator Pendent etc & Peripherals - 01 Set.
- Safety Fencing with Pneumatic Front Doors & Maintenance access door (Not shown in the picture) - 01 Set.

Please refer separate catalogue for more details.

### CONSUMABLES



Cast Gun Arms Class 3 Alloy, Be Cu

SEAM - NASH has its own most modern non-ferrous foundry where each and every Gun arm is processed under strict quality checks. Every SEAM - NASH Gun Arm casting is internally cooled with water tubes which extend through the entire length of current path. These water tubes are cast in place and are accessible from both sides of Gun Arm.

Round Gun Arms  
Class 3 Alloy, Be Cu



Cap tips



⇕ Electrodes, Shanks and holders



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

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ISO 9001 Company

