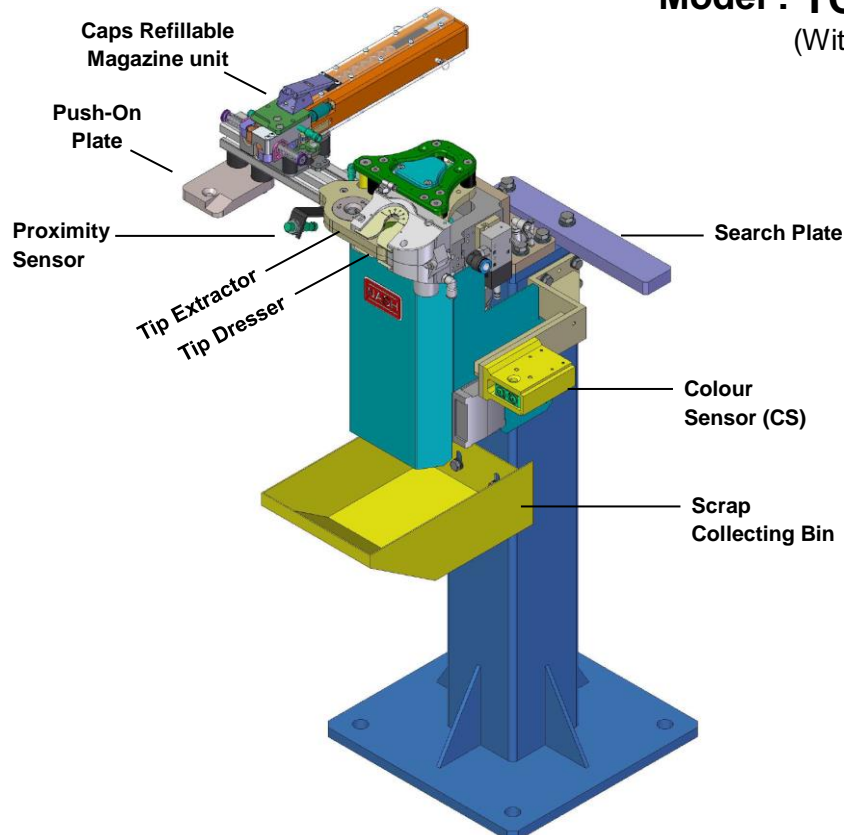


# AUTO-TIP CHANGER CUM DRESSER

## For Robot Welding Guns



**Model : TCD-1600CS**  
(With Colour Sensor)



After the welding tips are worn out, **Auto tip Changing cum Dresser with Sensor** will automatically perform as under –

- Robot will go to Extractor station where tips will be automatically removed from electrode shanks and dumped into discard tray.
- Robot gun will pick Top & Bottom cap-tips automatically from magazine pre-loaded with caps.
- Robot will go to the Dressing station to dress both caps simultaneously. After dressing, Robot will move to the Colour-Sensor Station to check proper dressing of Cap-tips and will start welding operation. The whole operation will take just 50 seconds as against 7 to 10 minutes by Manual operation.

Above all, it provides total safety as being fully automatic operation there is no need to go inside the Robotic cell.

### **Delivery Scope –**

Auto Tip Changer cum Dresser consists of,

1. Extractor for used tips,
2. Reloading new caps station,
3. Motorised auto dressing unit,
4. Proximity switch for monitoring caps,
5. Caps refillable magazine unit,
6. Cap push-on plate,
7. Colour Sensor (CS),
8. Rigid stand.