

“Our Customer’s Success is Our Success”



Need Some Help?

Choose all that apply: \*

- ☐ Seam
- ☐ Spot
- ☐ Flash
- ☐ Post

Weld

- ☐ Laser

☐

Upgrades

- ☐ Other

First NameLast Name

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- Arc Welding
- Assembly Systems
- Coil Joining
- Seam Welders
- Flash Welders
- ARC Welders
- Spot Welder
- Post Weld Induction Annealing
- Machine Upgrades and Accessories
- Heavy Material Handling
- Induction Heating
- Resistance Welding
- R & D Laboratory

Taylor-Winfield has been a world leader in the supply of coil joining welders since the beginning of the steel industry. Our welders include the most advanced process control and data gathering systems required by the most sophisticated process lines built throughout the world.

T-W has the solution to your coil joining needs and more. Choose from our complete line of welding machines, many of which are customized for unique customer requirements:

CORE COMPETENCIES



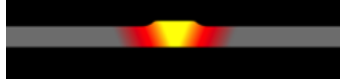
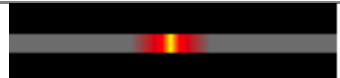





- Flash Butt Welders
- Narrow Lap Resistance Mash Seam
- Laser-Seam or Spot Welding
- Multi-Gun Spot
- ARC- Continuous Seam or Butt Welding
- Others

When selecting coil joining equipment, there are four primary requirements. They are:

- Strip Width Range
- Strip Thickness Range
- Strip Material Type
- Welding Speed

Taylor-Winfield engineers will then determine the required weld strength and joint configuration that best suits your need and processing time. The diagram below shows different machine types, the weld that is produced, materials that can be joined and types of processing lines they are best suited for.



Machine Type	Weld Produced	Material	Line Type
Combination Flash-Butt	 Weld description: Weld equals parent metal thickness	LCS, DDQ, HDDQ, AL, AHSS	Coil Build Up Continuous Cold Mill Pickle Slitting Shear
GTAW Arc-Butt	 Weld description: Weld near parent metal thickness	LCS, DDQ, HDDQ, AL, AHSS	Anneal & Pickle Continuous Cold Mill Shot Blast & Slitting Side Trimming Coating Grinding Side Trim & Recoil Slitting Coil Build-Up Inspection Side Trim & Inspection Press Feed
GMAW Arc-Butt	 Weld description: Weld near parent metal thickness after inline trimming	LCS, DDQ, HDDQ, AL, AHSS	Anneal & Pickle Continuous Cold Mill Shot Blast & Slitting Tension Leveling Coil Build-Up Grinding Side Trimming Shear Coil Preparation Inspection Slitting Press Feed
Prep/Lap, C-Flat Seam & Twinlap	 Weld description: Welds are less than 10% of parent metal thickness	LCS, DDQ, HDDQ, AL, AHSS	Coating Galvanizing Coil Build-Up Slitting Chrome Plating Coil Preparation Decarburizing Side Trim & Inspection Tension Leveling Cleaning Continuous Annealing Electrolytic Tinning Side Trim & Recoil Press Feed
Narrow- Lap Seam	 Weld description: Less than double the parent metal thickness	LCS, DDQ, HDDQ, AL, AHSS	Chrome Plating Coil Build-Up Continuous Annealing Electrolytic Tinning Cleaning Coil Preparation Zinc Coating Side Trim & Inspection
Limited Overlap Seam	 Weld description: Welds were double the thickness is acceptable	LCS, DDQ, HDDQ, AL, AHSS	Anneal & Pickle Cleaning Galvanizing Electrolytic Tinning Annealing Coating Zinc Coating Tension Leveling Chrome Plating Continuous Annealing Decarburizing Terne Coat
Wide-Lap Seam	 Weld description: Welds were double the thickness is acceptable and weld will not be recoiled	LCS, DDQ, HDDQ, AL, AHSS	Annealing Coating Electrolytic Tinning Chrome Plating Coil Preparation Cleaning Decarburizing
Single Row Spot	 Weld description: Welds for heavier gauges were double the thickness is acceptable	LCS, DDQ, HDDQ, AL, AHSS	Anneal & Pickle Continuous Annealing Electrolytic Tinning Cleaning Galvanizing Grinding Coating Zinc Coating Side Trimming
Double Row Spot	 Weld description: Welds for heavier gauges were double the thickness is acceptable and weld will not be recoiled	LCS, DDQ, HDDQ, AL, AHSS	Anneal & Pickle Continuous Annealing Electrolytic Tinning Cleaning Galvanizing Grinding Coating Zinc Coating Side Trimming