



Flexweld II 'multi-axis' Laser Blank Welding System

Scope of supply, system as shown:

1. 2 - Destacking stations (stationary)
2. 6 - Destacking pallets with fanner pins
3. 2 - Bases, end effectors, vacuum systems, and programming for all robots
4. 0 - CUSTOMER SUPPLY: two robots, controllers, hardware config
5. 1 - Robot to robot 'high 5' turn-over, with (1) special dual robot tool provided
6. 1 - Double blank collection table
7. 1 - Multi-axis weld station w/CDRH class 1 guarding, fume exhaust, linear motor gantry drive
8. 1 - Lower linear servo shuttle with fixture plate - expandable design for dual sided operation
9. 1 - Weld head: Precitec focus head; seam tracking and SGM monitor, servo rotate, servo tilt
10. 2 - Stacking stations (stationary)
11. 0 - CUSTOMER SUPPLY: 'master' stacking pallets, two pocket design - for small parts
12. 1 - Blank eject/reject station
13. 1 - Perimeter fencing/interlocked safeguarding system
14. 1 - IPG Photonics YLR 400 4KW 'fiber' laser and required optic and cooling accessories
15. 1 - Torit fume exhaust and filtration system
16. 1 - Fully integrated control system, touch screen op station, all cabling, wire-ways
17. Pre-shipment testing and full run-off of customer supplied material
18. Installation supervision, start-up assistance at end-user site
19. Training: mechanical, electrical, maintenance, Precitec systems, IPG equipment
20. Documentation package, CD based
21. Development software: op screens, PLC, servo drives, pendent control
22. Freight, rigging and installation services

OPTIONS: Upgrade to CNC control for angular or curvilinear welding; custom fixtures;
Dual sided 'multi-plexed' operation for additional output & utilization