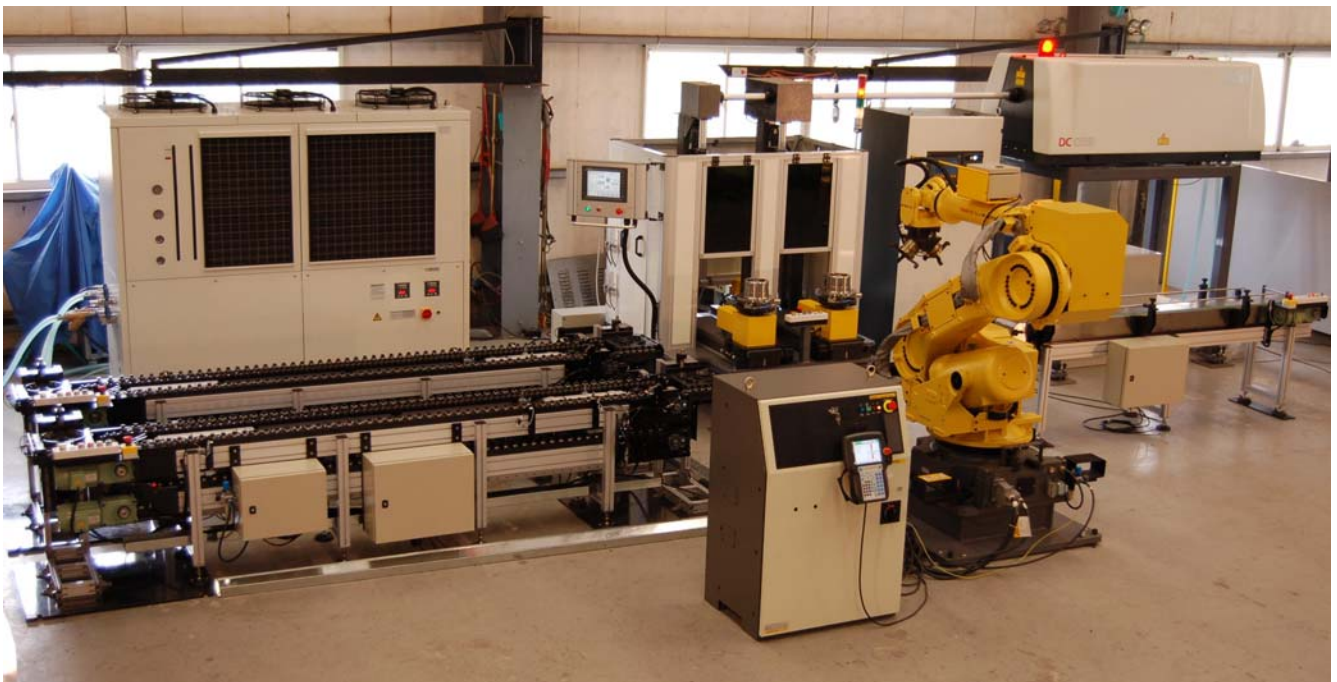


Power Transmission Laser Welding

ProArc has been in automatic laser welding application field for a long time and our experience has enabled us to provide the best solution for our customer. This year, ProArc announces a new system for automatic laser welding. The new Power Transmission Laser Welding system is designed in mind for international automobile company's flexible gear transmission production line. The main objective of this system is to precisely and automatically weld/assemble the two parts of gear transmission, housing and drum, without human intervention.



This system is divided into four workstations according to required function:

- (1) Free-Flow conveyor: A conveyor with automatic stacking and recycling of the fixture, it also provides accurate components transfer.
- (2) FANUC Robot: Smart-joint 6 axis robot can grab, move, position and assemble work pieces.
- (3) Rofin High Power CO2 Laser: High power CO2 Laser welding workstation.
- (4) Top-chain conveyor: Top-chain conveyor with buffer zone for finished product transfer.

The new system integrates high-level PLC and motion control system as the main control console. It also uses friendly HMI and high speed control network to monitor every process of the system from conveyer movement, components transfer, FANUC robot movement, servo welding station, welding laser control, to final products stacking and receiving, and provides a complete production statistics and system condition information, hence accomplishes all requirements in automation, statistical analysis, high quality, stabilization, efficiency and safety. Power Transmission Laser Welding system is being mass produced and has gained highly affirmative feedback from customers. The system has also once again demonstrates ProArc's experience and professionalism in automatic laser welding.

Marine Engine Valve Auto Welding

ProArc have the pleasure to supply a customer designed auto welding system for engine valve spindle build-up weld supplier in U.A.E. This system consists of 2 equipments – Manipulator and NC Positioner combined with oscillator device, welding machine and wire feeder to provide spindle head underside, upper side and edges step-over welding automatically.



Based on PLC control, the operator can set the distance of step-over and the value of overlap by inputting parameter to HMI system. Then, just push the “start” button to start the machine. This equipment will stop automatically after completing the job.

** To improve your production procedure, you're welcome to inquire with us your customer designed automation system! **

Athlete Push-Pull Fume Collection Table

The Athlete series high precision cutting machine is integrated with unique sequential zone downdraft cutting table and equipped with wing type, electric saver and high efficiency blower (push) to increase efficiency of fume collection.

Features:

1. Designed with sequential zone downdraft table for high fume collection efficiency, durable and stable.
2. Adopt mechanical duct gate (vent) design without electrical components, maintenance free!
3. Each zone/cabin is fitted with air blower to increase extraction efficiency.
4. Each wing type air blower adopts a control independently, saves electricity and safe for the operator.



Vertical Circumferential Welder



Vertical Circumferential Welder is designed for horizontal circumferential welding. It's equipped with cylinder, fixture, and the rotator will position the workpiece quickly and do 360° rotation for completing necessary action of welding.

Features:

1. Welds for variety of circular parts
2. System comprised sequence original sensor control
3. Pneumatic clamping of tailstock
4. Optional automatic equipment
5. High frequency protected
6. Vertical circular torch rotation
7. Vertical circular workpiece rotation
8. PLC controller

✚ Master 40 in Oscacer-Cesar Rola Lda, Portugal

Mr. Pedro Vegia of Oscacer Portugal indicated that ProArc Master 40 has never been stopped since installation in the year of 2003. He pointed that European buyer's concept requires five (5) consecutive years of



operation to see whether the cutting machine is worth to purchase. He is satisfied that ProArc Master 40 doesn't only provide a high quality cutting production but also offers a safe cutting environment to protect operator's safety.

✚ The Powerful Partner in Chile

We have a powerful partner in Chile, herewith our conversation in Oct.



Q # 1. What's the tip for No.1 marketing share in Chile shortly?

People didn't realize what's high precision plasma cutting was three years ago in Chile. Proingas introduced and tested ProArc's cutting table from year 2006. We were amazed what we got from such technology combination. We started from *Zero to Excellent* in the last 24 months, showing that the best cutting

table structure and the best plasma high precision machine quality is the best and total solution for customers.

Q # 2. What's the future vision of Proingas?

Productiveness with technical assistance and services are always the most worry of my clients. We will establish a network of service in the entire country, providing services just on time, this will be our mission next year. By the way, the new products of ProArc machines might be tremendously profitable, for new critical and high applications of productiveness in the future.



UNITED PROARC CORP.



+886 3 469 6600



sales@proarc.com.tw



+886 3 469 4499



<http://www.proarc.com.tw>