



Robotic Plasma Cutting & Robotic Welding Service

機器人等離子切割及焊接服務



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SERVICE

奧馬迪機器人有限公司

SERVICE DESCRIPTION

服務說明

Innovative design for cutting & welding in construction site, to elevate works productivity and safety with our Robotic Plasma Cutting & Robotic Welding. The idea is to enhance the cutting & welding method with O-Matic technology into the construction industry, the priority are cutting H-Beam pile & welding capping plate.

Robotic Plasma Cutting

- ◆ 12KG Collaborative Robot with VIVI Software System
- ◆ Mobile Control Device (Wireless)
- ◆ Plasma Cutting Machine (380V/125Amp)
- ◆ Robotic Plasma Torch
- ◆ Tailor-made Quick-release Application
- ◆ Industrial Water Cooler
- ◆ Rack (with hook and wheel)
- ◆ By using the Magnetic Electronic Level Plate to indicate the perfect level of the H-Pile to the Robotic Arm.



Portable CNC Milling Machine

- ◆ Specially designed for capping plate welded holes.
- ◆ Innovative remedial solutions for welding errors.
- ◆ Efficiency milling speed (30 mins per hole).
- ◆ Same quality as original hole.
- ◆ Easy installation on top of capping plate
- ◆ Efficiency and safety operation
- ◆ 30 mins per hole
- ◆ High quality milling



Robotic Welding

- ◆ 12KG Collaborative Robot with VIVI Software System
- ◆ Android Mobile Control Device (Wireless)
- ◆ EWM Welding Machine MIG/MAG
- ◆ Robotic Welding Torch
- ◆ Tailor-made Quick-release Application
- ◆ Industrial Water Cooler
- ◆ Rack (with hook and wheel)
- ◆ Setting welding path , Welding torch will run around the hole according to the programmed setting.



Service Advantage

- By using Robotic Plasma Cutting and Welding can High Quality Surface Cut Edge.
- Can shorter the time 30-50%, Lower cost.
- Reducing the number of welders which is in great shortage.
- Workers are in a safety distance to avoid hazard.
- Effective productivity and Innovative method.
- High welding quality, Easy to learn and use.



建築署引用機械科技成效

例子：北區百和路社區健康中心暨社會福利設施

應用項目	機械施工時間	較人手減省時間	項目整體節省時間
樁柱切割及打磨	46分鐘	節省50分鐘	節省約12個工作天
樁頭燒焊	1小時	節省3小時	節省約43個工作天

資料來源：建築署 明報製圖

