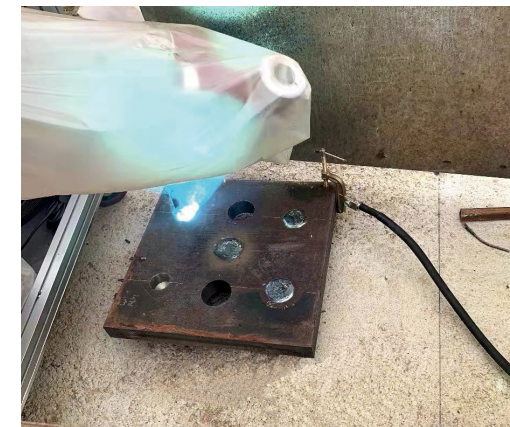




# Robotic Plasma Cutting & Robotic Welding Service

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.

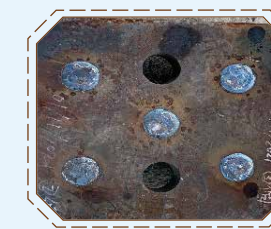
Can shorter the time 30-50%, Lower cost.

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	

