COMPANY PROFILE & PRODUCT LINE

OTC DAIHEN Asia Co., Ltd.

www.otcdaihenasia.com

CAT No. 2013
DAIHEN (Japan) Company Profile

Name: DAIHEN Corporation
Establishment: December 1, 1919
Head Office: 2-1-11 Tagawa, Yodogawa, Osaka 532-8512 Japan.
Tel. (+81) 6-6301-1212
Home Page: http://www.daihen.co.jp
Paid-in Capital: ¥ 10,596 million (approx. US$106 million)
Gross Sales: ¥ 91,362 million (approx. US$914 million)
Employees: 4,039 (As of June 30, 2013. consolidated)

Global Network

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DAIHEN Asia

Corporate Motto
Based on “Q C D”

OTC DAIHEN Asia Co., Ltd. was established at Navanakorn Industrial Estate, Pathumthani in April 1989, and started to produce electric welding and cutting machines and their components since July 1990.

Our company has production lines by thorough process from raw materials to finished goods which are based on “Q C D” for working operations.

Our Products have been used around the world and contributed to the development of metal working industries.

Message from President
Sawasdee Krub

We, OTC DAIHEN Asia Co., Ltd., started as a factory for arc welding/plasma cutting torches and their consumables in 1989 at Navanakorn Industrial Estate of Thailand.

Our priority is “customer satisfaction and serving society”. Now we not only manufacture products, but also provide sales and after-sales support of OTC-DAIHEN brand arc welding machines, plasma cutting machines and Industrial robots.

In 2011, our factory suffered the severe flood which damaged huge area in Thailand. We are most grateful for your help and support at that time. We are completely back in operations as before, and have become even more efficient factory. Of course, we also have made sufficient countermeasure-plans against the flood even if it happens again. We can continuously provide better quality and lower cost products with customers on time.

We are proud of a solution provider, and support manufacturing industry in not only Thailand but Australia, Malaysia, Pakistan, Philippines, New Zealand, Singapore, Vietnam, and so on. By cooperating with our sister companies, OTC DAIHEN India Pvt. Ltd. and PT. OTC DAIHEN Indonesia, we cover almost all of Southeastern Asia, Oceania, and South Asia countries.

Please contact us if you have any interests in Arc Welding, Plasma Cutting or Robotic Automation in your production process. We have showrooms called “FA center” in our Navanakorn factory and in the sales/service office at Eastern-SeaBoard Industrial Estate. We are always ready for welding tests or to help you choosing the best solutions for your needs.

We will continue to make our best effort to become the company selected by society.

Sawasdee Krub
Kosaku Yamaguchi
President

Corporate Philosophy
信頼と創造
Reliability & Creativity

Deming Prize Awarded in 1987
ISO 9001 accredited
ISO 14001 accredited

Award & Certification

Navanakorn Factory (Machining)  Navanakorn Factory (Assembly)  Navanakorn Factory (Injection & Compression Molding)  Navanakorn Factory (Q.C. Inspection)
Head Office & Factory

Name: OTC DAIHEN Asia Co., Ltd.

Establishment: April 5, 1989 (Start operation from 1990)

Head Office & Factory: 60/86 Mu 19, Navanakorn Industrial Estate, Phase 3, Klong Nueng, Klong Luang, Pathumthani 12120, Thailand

Home Page: http://www.otcdaihenasia.com

Paid-in Capital: 80 Million Baht

Share holder: DAIHEN Corporation (Japan) (100%)

Employees: Thai 454, Japanese 15 (As of June 30, 2013)


BANGKOK and RAYONG (Sales) OFFICE

Office location: Bangkok and Rayong

Scope of business: Marketing of OTC Brand Welding Machines, Air plasma Cutting Machines, Arc Welding Robots and Material Handling and Spotwelding Robots, etc. Marketing of Welding Torches and Spare Parts which are made by OTC DAIHEN Asia Co., Ltd. Providing on Training and fielding and inhouse repair on OTC Brand Products.
High quality arc welding packages for everyone!

**Intuitive Operation**
Touch panel and jog dial ensure easier operation.

**Extensive Quality Control Functions**
Easier quantitative management of welding procedures

**Compact & Eco-friendly**
A streamlined, space-saving design that contributes to energy efficiency by reducing standby power consumption

“FD” comes from the word “FRIENDLY”, offers the most suitable solution for automation of welding
ROBOT

FD-B4
STANDARD
Built-in coaxial cable enhances in smooth wire feeding. Less interference with work piece and jigs, allowing easier approaches and teaching. Suitable for circumference welding. (Outer and Inner)

FD-B4L
LONG ARM
20kg payload robot arm for arc welding & handling. Suitable for handling light articles. Adaptable to various applications. Thüymatthun 20 kg. ใช้งานง่าย ใช้เชิงแนวศัพท์ เพิ่มประสิทธิภาพ การทำงาน

FD-V20
20kg payload robot arm for arc welding & handling. Suitable for handling light articles. Adaptable to various applications. Thüymatthun 20 kg.

FD-H5
Small-sized arc welding & handling robot Suitable for working in limited area. Payload capacity 5kg Dust and Liquid Ingress Protection meet industry standard.

FD-V6
STANDARD
This type of 6kg payload robot is the MOST COMMON model for ALL PURPOSE of welding. Support welding applications including CO2/MAG, MIG, and TIG. Support other applications other than welding, such as Plasma Cutting, and Handling.

FD-V6L
LONG ARM
This type of 6kg payload robot is the MOST COMMON model for ALL PURPOSE of welding. Support welding applications including CO2/MAG, MIG, and TIG. Support other applications other than welding, such as Plasma Cutting, and Handling.

FD-B4L
LONG ARM
This type of 6kg payload robot is the MOST COMMON model for ALL PURPOSE of welding. Support welding applications including CO2/MAG, MIG, and TIG. Support other applications other than welding, such as Plasma Cutting, and Handling.

FD-V6L
LONG ARM
This type of 6kg payload robot is the MOST COMMON model for ALL PURPOSE of welding. Support welding applications including CO2/MAG, MIG, and TIG. Support other applications other than welding, such as Plasma Cutting, and Handling.

SMART ROBOT CONTROLLER
Operability
Space utilization
Movement performance
Welding condition guide function
Volume & Weight reduced
Reduction of residual vibration
Touch Panel & Jog Dial
USB memory slot

TEACH PENDANT
Compact & Light weight
Smooth teaching
Simple backup

Compact & Light weight
Smooth teaching
Simple backup

Compact & Light weight
Smooth teaching
Simple backup
HANDLING & SPOT WELDING ROBOT

Wide range of robot model meets different applications.

| Material handling | หมายถึงการจัดเก็บพื้นที่ในอุตสาหกรรม |
| Spot welding      | เข้ามอบปิด |
| Palletizing       | จัดเรียงของ |
| Polishing         | ขัดเงา |
| & Etc.            | และอื่นๆ |

Robot Cell

Clean Kit

Gas Saver

PC Software

Sensors

External Axis
Welding Best Electronic Engine
**WELDING MACHINE**

**Welbee**

**M350L**
Low Spatter & High Speed
Advanced Model

**M350**
High Quality
Standard Model

**M500**

- **OTC DAIHEN**
  Self-Developed (Welbee) chip, the fastest in the welding industry, dramatically improved welding performance.

**Side Flow Structure**
- Dust Free for electronic Components.
- Easy Maintenance & High Durability.
- Improved Quality Control utilizing IT tools.
- Reduce Power Consumption.

**Welding Condition Monitor (Option)**

**Greatly reduces the occurrence of spatter on the mid-high and low current range.**

<table>
<thead>
<tr>
<th>Welding Current (A)</th>
<th>Conventional</th>
<th>M350L</th>
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<tbody>
<tr>
<td>100A</td>
<td>2.5</td>
<td>1.5</td>
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<tr>
<td>150A</td>
<td>2.0</td>
<td>1.0</td>
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<td>200A</td>
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<tr>
<td>250A</td>
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**In case of 200A 80% Reduction**

**Welding Condition Monitor**

- **CO₂**
- **Conventional**
- **M350L**

**Welding Condition Monitor**

Welding current: 200A  
Welding Speed: 50cm/min  
Wire: ø 1.2 mm  
Shield Gas: CO₂
WELDING
MACHINE

CO2/MAG/MIG

Inverter

**DP400R**

Heavy Duty Machine for High Speed Robot Welding

Reliable in High Temperature and High Humid Environment

Deliver High Quality Welding on Mild Steel, Stainless Steel, Aluminum and other metals

Inverter Controlled CO2/MAG Welding Machine Dramatically improved the quality of thin sheet welding with gaps.

Provides optimum welding performance in both Pulsed and Non-Pulsed on all materials such as Steel, Stainless steel, and Aluminum consist with TIG and DC Stick as standard

Full Digital Inverter CO2/MAG Welding Machine. High Power Factor, Saving Energy. Welding conditions can be read and operated from remote control box.

**DL350II**

Cutting Edge Low Spatter and Low Heat Input Welding Machine

Inverter Controlled CO2/MAG/MIG and Pulsed MAG/MIG Welding Machine.

Inverter Controlled CO2/MAG Welding Machine for Higher Quality and Efficiency Welding Substantially Small Size and Light Weight

**CPVE 400 · 500**

Full Digital Inverter CO2/MAG Welding Machine. High Power Factor, Saving Energy. Welding conditions can be read and operated from remote control box.

**DM350 · 500**

Inverter Controlled CO2/MAG Welding Machine

Inverter for Higher Quality and Efficiency Welding

Cutting Edge Low Spatter and Low Heat Input Welding Machine

**DP400 · 500**

Deliver High Quality Welding on Mild Steel, Stainless Steel, Aluminum and other metals

Inverter Controlled CO2/MAG/MIG and Pulsed MAG/MIG Welding Machine.

Easier to weld Galvanized Steel Plate

Wire Feeder Built-in Inverter Machine

Inverter Controlled CO2/MAG Welding Machine

Cutting Edge Low Spatter and Low Heat Input Welding Machine

Cutting Edge Low Spatter and Low Heat Input Welding Machine

**DP270C**

Provides optimum welding performance in both Pulsed and Non-Pulsed on all materials such as Steel, Stainless steel, and Aluminum consist with TIG and DC Stick as standard

Inverter Controlled CO2/MAG and Pulsed MAG/MIG ระบบ Inverter ด้วยอุปกรณ์คอมพิวเตอร์ขนาดเล็กและมีพื้นที่

Inverter Controlled CO2/MAG ระบบ Inverter แบบติดตั้งในเครื่องมือ
Thyristor

**XD250C**

Digital Synergic Controlled CO2/MAG Welding Machine with Wire Feeder Built-In

- Big Wheel and Handle for Easy Carrying

**XD350S • 500S**

- Digital Synergic Control with Quality
- One Knob Synergic Control & Penetration Control

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**WELDING MACHINE**

**Step Controlled**

**CPTX-210**

Robust Design, Simple Operation, Designed for light manufacturing, automotive repair industries.

- Big Wheel and Handle for Easy Carrying

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**TIG Welding Machine**

**DA300P**

AC+DC Hybrid Pulse TIG Welding Machine delivers "High Quality Welding" and "User Friendly Operations"

**DT300P**

This is The Most Intelligent TIG Welding Machine with TIG Synergic Function

**AEP300 • 500**

(ACCU TIG)

AC+DC Hybrid Pulse TIG Welding Machine delivers "High Quality Welding" and "User Friendly Operations"

- One Knob Synergic Control & Penetration Control

**MR315T**

Multi Mode for High Performance High Quality with DC TIG welding High Efficiency with DC Stick Welding

- High Quality Welding and "User Friendly Operations"
**DC Arc Welding Machine**

Inverter Controlled High Performance DC Arc Welding Machine. IGBT Inverter Control Results Superior Arc Stability. Arc Drive Control ensures High Quality Welding Can weld with Cellulose-coated electrode at any positions

**VR400II**

IC- Thyristor Controlled DC Arc Welding Machine. Heavy Duty Cycle Machine suitable for medium and thick plate welding. (Rated duty cycle 60%) constant current characteristics features stable and constant welding

**MR400**

For DC Welding and Gouging, suitable for Low carbon steel, Heat-resistant steel, stainless steel and copper alloy. Safety design, multiple protection, easy maintenance

**Multi Purpose Welding Machine**

**MRA630**

Digital Controlled High Performance DC Arc Welding and Gouging Machine with Micro Processor Suitable for Low carbon steel, High-strength steel, Heat-resistant steel, stainless steel and copper alloy. Very suitable for work like back side gouging, or welding defect removing

**XD600G**

Thyristor Controlled CO2/MAG Welding & Gouging Machine 3 in 1 Micro-processor digital controlled multi-function welding machine • CO2 / MAG function • DC Gouging function • DC Stick function

**Plasma Cutting Machine**

**D-12000**

High Power and 100% for Precision High Speed Cutting Max Cutting Capacity 60mm

**C-70/A-70**

Max Cutting Capacity 35mm, 60% Duty Cycle at maximum current Double the Cutting Speed at Half the Cost compare to Oxy/Fuel Cutting

Built-in “Torch Guard” function monitors tip and electrode consumption
Spot • Projection Welding Machine

Non Lubrication cylinder, Two stroke stopper,
Follow spring as standard,
Micro controlled timer VX-300K

AC SPOT • Projection Welding Machines SL-AJ Series

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- Max secondary short circuit current measurement is based on Throat Gap indicated
- The mark [ ] is on 60Hz
- AC spot weight not including timer and accessories.

DC Inverter SPOT • Projection Welding Machines SL-AI II Series

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- Max secondary short circuit current measurement is based on Throat Gap indicated
- The mark [ ] is on 60Hz
- DC spot and projection machine weight not including power source and accessories.
Superior Ergonomic Handle (WT3510/3520/5000)

Spring Cable Support

Direct plugs suit any brand of welding machine

‘OTC’ Genuine Consumable Parts

Made in Thailand
**Automatic Torch**

4 types torch heads are available for various work requirement.

**CO₂/MAG Welding Torch**

Extensive Line Up of 15 models from 180A to 500A
Superior Ergonomic Handle for easy Operation
Quick change Direct Plugs to suit any brand of welding machine
High Quality Construction and Spring Cable Support for smooth wire feeding

**MIG WELDING TORCH**
*(Aluminium & Stainless Steel)*

Current range: 180amp to 400amp
Cable length: 2 TO 3 meters
Air or Water Cool

MIG WELDING TORCH (Aluminium & Stainless Steel)