

S.Y.GROUP

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Air Conditioning Industries



Automotive Industries



UNDER



CERTIFICATION

DESIGN



SOLUTION FOR FUTURE

MANUFACTURE



CUSTOM-MADE MACHINERY

SERVICES



WE CARE FULLY

Refrigeration Industries



Others Industries



S.Y.TECH CORPORATION CO.,LTD.
S.Y.INTERTRADE LIMITED PARTNERSHIP

BUSINESS SCOPE

Engineering, Manufacturing, Trading of Welding, Brazing, Accessories and Related

Assembly Line Products for the Refrigerator, Automotive and Home Appliances Industries.

Maintanances, Overhaul, Repair of Hydromatic Pump.

CORPORATE OUTLINE

Name : S.Y.TECH CORPORATION CO.,LTD.

Name : S.Y.INTERTRADE LIMITED PARTNERSHIP

**Address : Office 335/21 Srinakarin Road, Nongbon, Pravet, Bangkok 10250
Factory 35/14 Moo13 Bangna-Trad Road, Km11.5 Bangpleeyai
Bangplee, Samutprakarn 10540**

TEL : 66(2) 366-0395-7 , 66(2) 366-0731

FAX : 66(2) 366-0394-5

Website : www.sy-thai.com

E-mail : sales@sy-thai.com

Establishment : 17 September 1997

Capital : 4,000,000 Baht

Annual Sales : 238,000,000 Baht (7.4 Million USD),Year 2024

Staff and Employees : 35

CORPORATE OUTLINE

Stock of Customer and Machinery parts supplied

Technical after sales services

Mechanical and electrical installation of equipments

MANUFACTURING

Modern facility and produces of Tube end forming machine, Helium leak detector machine, vacuum unit and others special made.

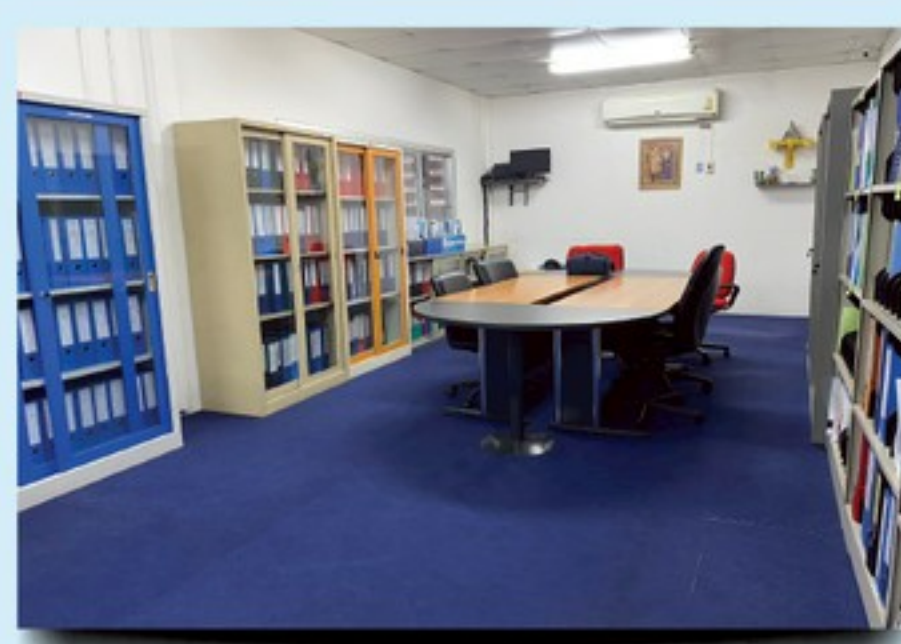


FACTORY

Facilities located at 35/14 Moo 13, Bangna-Trad Rd., Km11.5
Bangpleeyai, Bangplee, Samutprakarn 10540 , Thailand



SUPPORT DIVISIONS



➡ Research & Development Division



➡ Stock parts and Training center

AIR CONDITIONING INDUSTRIES

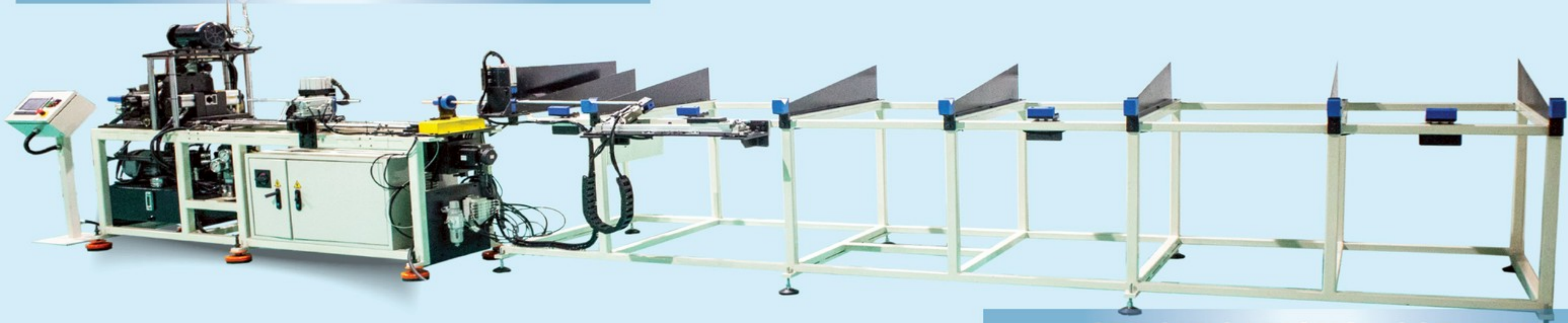
ROTARY PIPE CUTTING MACHINE



SPECIFICATIONS : SCR-20NC

Purpose	Coil Pipe Rotary Cutting MC
Controller	HMI with PLC
Positioning Controller	AC Servo Motor with Ball Screw
Pipe Diameter	4 - 19.05 mm
Cutting Length	100 - 6000 mm.
Pipe Supply Method	Coil Stand with Tension Unit
Option 1	Pipe Checker
Option 2	Pocky Cutter

STRAIGHT PIPE CUTTING MACHINE



SPECIFICATIONS : SSR-20NC

Purpose	Straight Pipe Rotary Cutting MC
Controller	HMI with PLC
Positioning Controller	AC Servo Motor with Ball Screw
Pipe Diameter	4 - 19.05 mm
Cutting Length	100 - 1000 mm.
Pipe Supply Method	Auto Pipe Loader Unit
Option 1	Pipe Checker
Option 2	Pocky Cutter

CNC PIPE BENDER MACHINE



SPECIFICATIONS : SDB-15SV

Purpose	3 Axis CNC Pipe Bender MC
Controller	CNC Control & HMI with PLC
Pipe Diameter	4 - 15.88 mm
Bending Pipe Length	Maximum 900 mm
Data Memory	5000 Drawing Data No.
Pipe Supply Method	Manual Pipe Supply

AIR CONDITIONING INDUSTRIES

AUTO BRAZING MACHINE



SPECIFICATIONS : HCR20B 2ST

Purpose Controller Brazing Jig No. Gas Controller Pipe Supply Method	Brazing Process HMI with PLC 4 Station Brazing Turn Table Digital Mass Flow Controller Manual Loading & Un-Loading
	

ASSEMBLY LINE

- ➡ POWER MOLLER FOR CONVEYOR LINE
- ➡ TROLLEY DUCTS LINE SYSTEM
- ➡ CHILLER & HOT WATER SYSTEM
- ➡ PRODUCTION DISPLAY BOARD COUNTER
- ➡ ACCESSORIES FOR WELDING & BRAZING SYSTEM

EVACUATION & TESTING LINE

- ➡ GAS CHARGE & RECOVERY MACHINE
- ➡ INFICON GAS LEAK DETECTOR
- ➡ HYDROGEN CHECK LEAK DETECTOR
- ➡ VACUUM PUMP SYSTEM
- ➡ ULTRASONIC TUBE WELDING SYSTEM

HEAT EXCHANGER LINE

- ➡ CNC PIPE BENDER MACHINE
- ➡ ROTARY PIPE CUTTING MACHINE
- ➡ PIPE END FORMING MACHINE
- ➡ WELDING & BRAZING SYSTEM



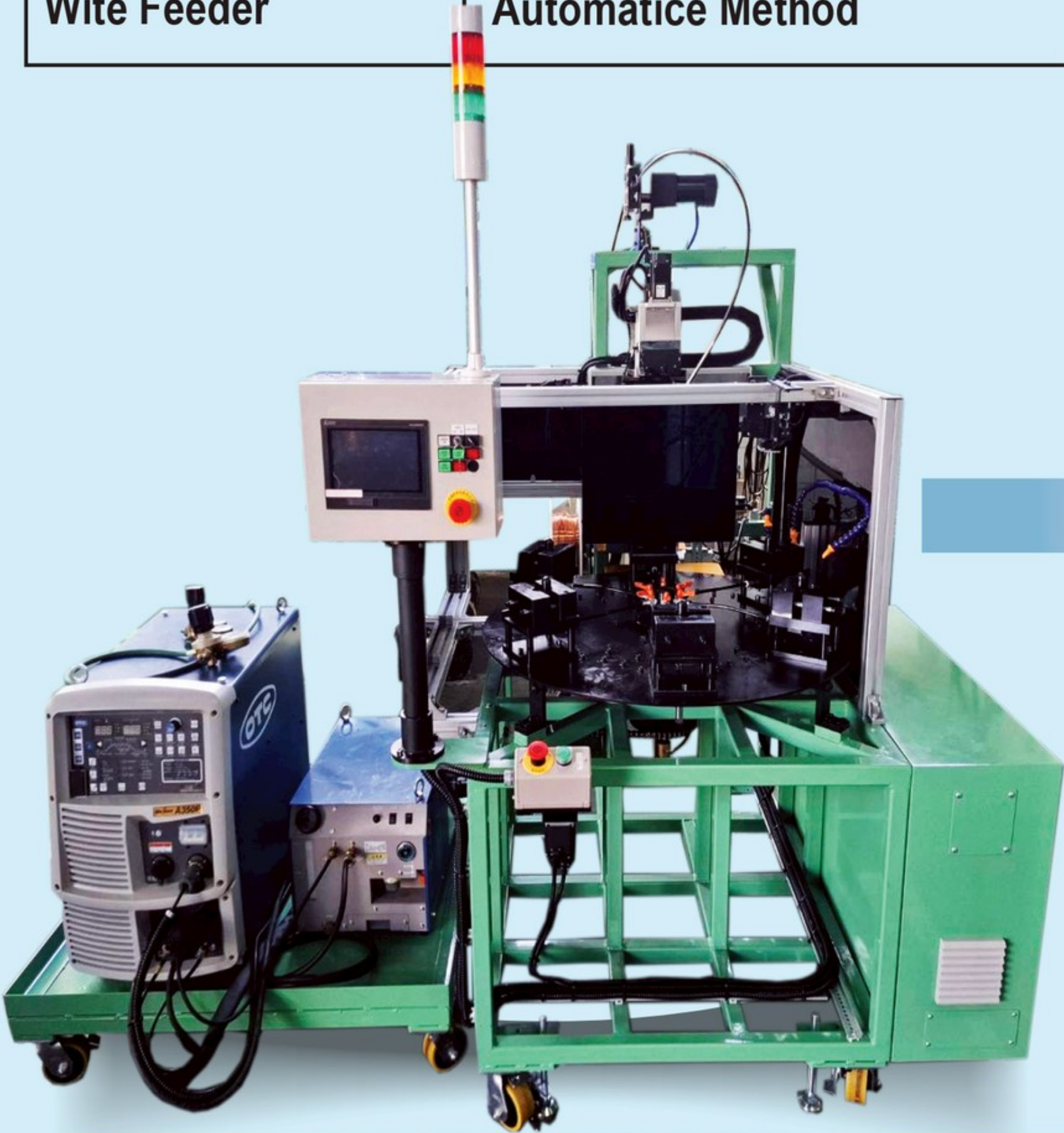
AIR CONDITIONING INDUSTRIES

AUTO GAS BRAZING BY ROBOT



SPECIFICATIONS : RABZ-1200-4ST-MZ12L-CAM

Purpose	Brazing Process
Controller	HMI with PLC
Brazing Jig No.	6 Station Brazing Turn Table
Gas Controller	4 - 25.4 mm
Pipe Supply Method	Manual Loading & Un-Loading
Material	Copper Tube
Wite Feeder	Automatic Method



AUTO TIG WELDING

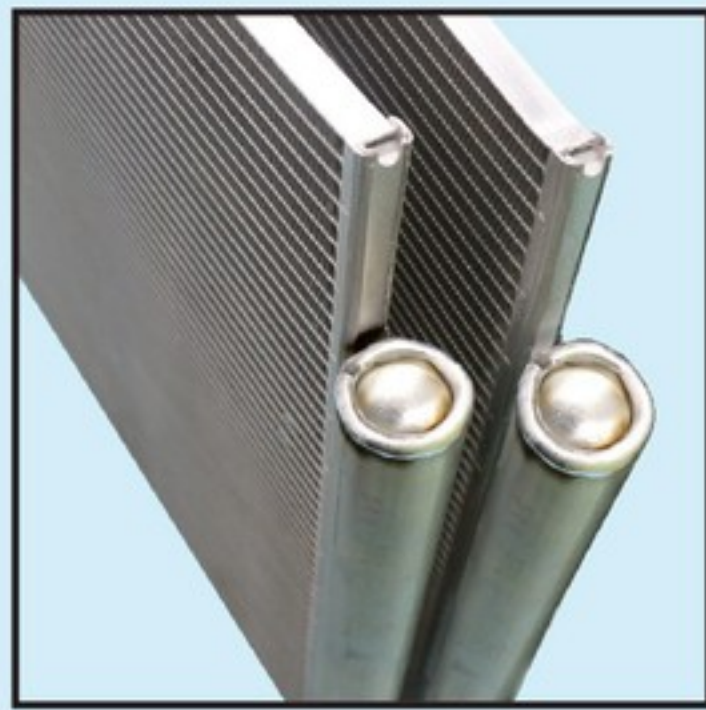
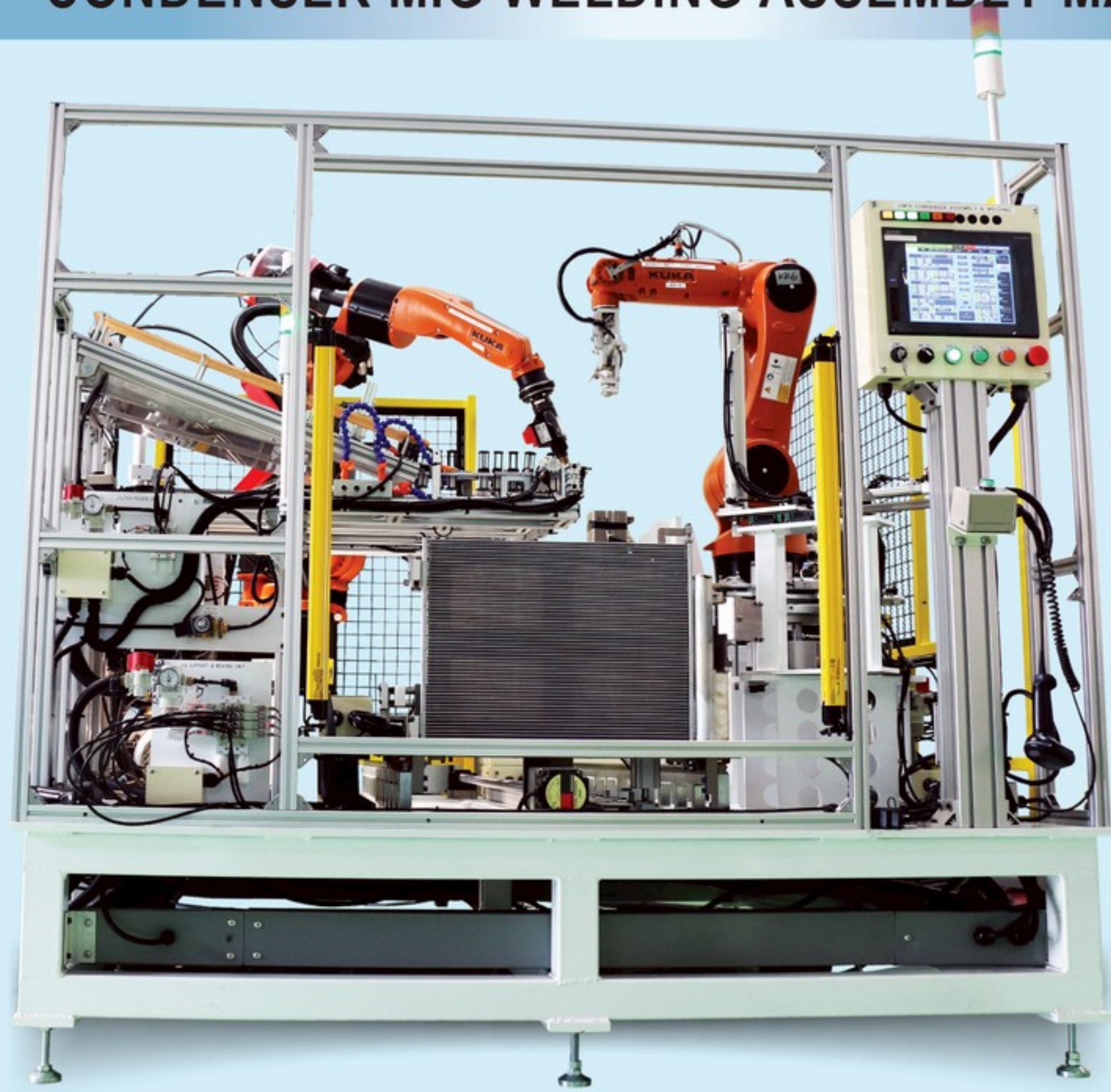


SPECIFICATIONS : TIG-FIL-01/TAPS

Purpose	TIG Welding
Controller	PLC Touch Screen Panel
Brazing Jig No.	6 Station Brazing Turn Table
N2 Controller Valve	A - B Valve
Pipe Supply Method	Manual Loading & Un-Loading
Material	Copper Tube
Wite Feeder	Automatic Method

AUTOMOTIVE INDUSTRIES

CONDENSER MIG WELDING ASSEMBLY MACHINE



SPECIFICATIONS : MCFB CAW-RB-1000

- Special Purpose Machinery Process
- Condenser Loading
 - Desiccants QR Code Reading & Analysis
 - Desiccants Insert to Condenser
 - Filter Insert to Condenser
 - Core Tube Cap Insert to Condenser
 - Core Tube Cap Press
 - Core Tube Cap Welding / Bey TIG & Filler
 - Condenser Un-Loading

CNC PIPE BENDER MACHINE



SPECIFICATIONS : SDB-25 SV

Purpose	3 Axis CNC Pipe Bender MC
Controller	CNC Control & HMI with PLC
Pipe Diameter	31.8 mm
Bending Pipe Length	Maximum 2000 mm
Data Memory	5000 Drawing Data No.
Pipe Supply Method	Manual Pipe Supply

PIPE END SWAGING MACHINE



SPECIFICATIONS : EC-VTL-MZ07

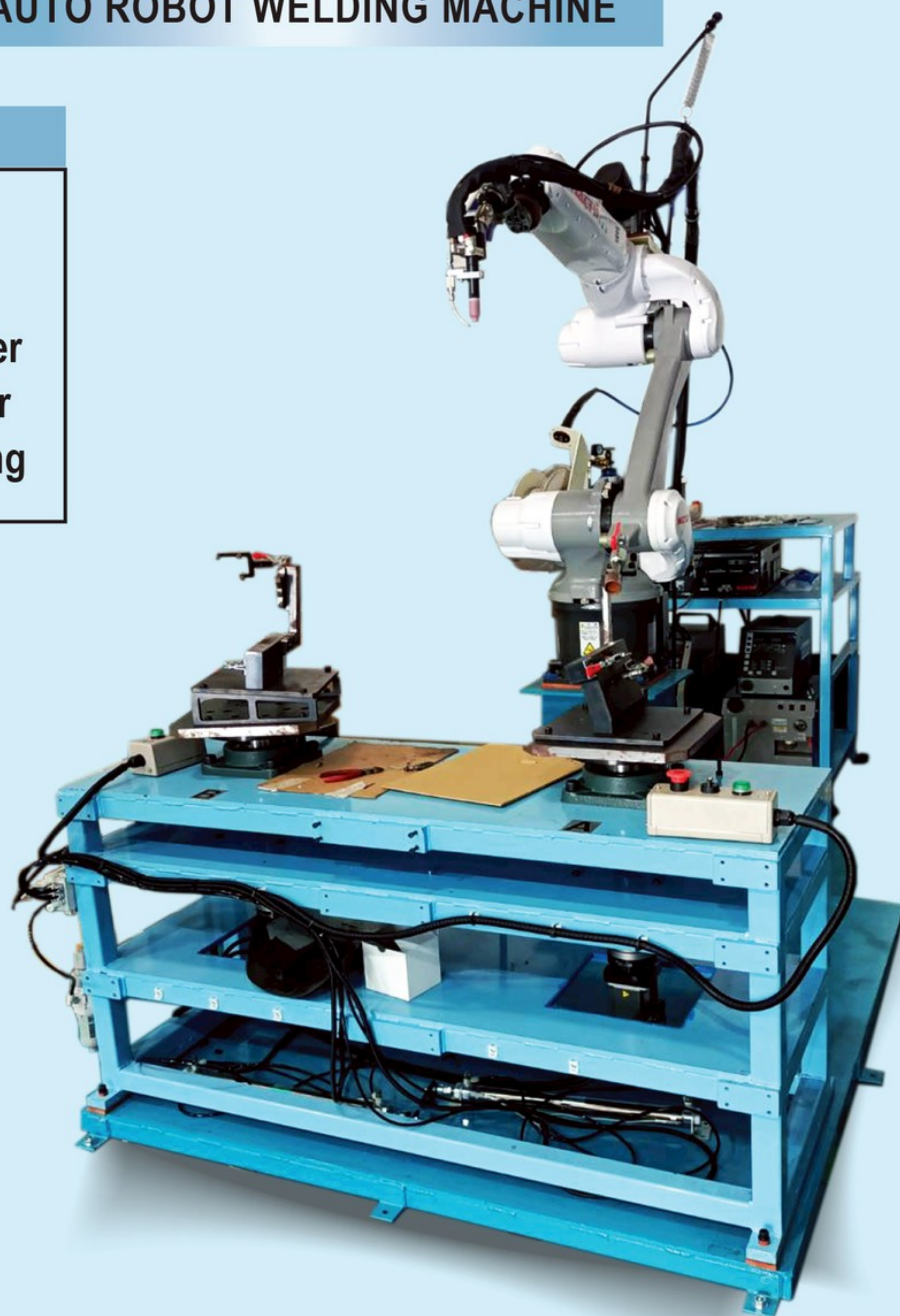
Purpose	Swaging Processing
Controller	HMI with PLC
Forming Power	Spindle Selffeeder Unit
Pipe Diameter	4 - 31.8 mm.
Pipe Supply Method	Automatic Pipe Loaderwith Robot

AUTOMOTIVE INDUSTRIES

AUTO ROBOT WELDING MACHINE

SPECIFICATIONS : GSB-100R-MZ12-2ST

Purpose	Robot Brazing Process
Controller	HMI with PLC
Brazing Jig No.	2 Station Brazing & Positioner
Gas Controller	Digital Mass Flow Controller
Pipe Supply Method	Manual Loading & Un-Loading



SPECIFICATIONS : GV-250HTL

Purpose	Grooving Process
Controller	HMI with PLC
Pipe Diameter	12.7 - 25.4 mm
Bending Pipe Length	Maximum 800 mm
Pipe Supply Method	Manual Pipe Supply



AUTO PIPE GROOVING MACHINE



HELIUM LEAK TEST MACHINE & RECOVERY SYSTEM



SPECIFICATIONS	
Leak test method	Vacuum
Leak detector	“INFICON” Model : MODULE 1000
Cycle time	120 sec./work piece. (Max.)
Leak rate	1.0E-06 mbar/s(Helium)or 1.0E-07 Pa* m3/s
Charge gas	Helium pure or Helium >80%
Machine operation	Semi-Automatic



CONDENSER

REFRIGERATION INDUSTRIES

HELIUM LEAK TEST MACHINE



SPECIFICATIONS : LDC 2L-CR	
Leak test method	Vacuum
Leak detector	“INFICON” Model : MODULE 1000
Cycle time	60 sec./work piece. (Max.)
Leak rate	1.0E-06 mbar 1/s(Helium)or 1.0E-07Pa m ³ /s
Search gas	Helium pure or Helium & Nitrogen Mixture
Machine operation	Semi-Automatic

HELIUM LEAK TEST MACHINE



SPECIFICATIONS : LDC-1H	
Leak test method	Vacuum
Leak detector	“INFICON” Model : MODULE 1000
Cycle time	60 sec./work piece. (Max.)
Leak rate	1.0E-06 mbar 1/s(Helium)or 1.0E-07Pa m ³ /s
Search gas	Helium pure or Helium & Nitrogen Mixture
Machine operation	Semi-Automatic

OTHER INDUSTRIES



PIPE END FORMING MACHINE

SPECIFICATIONS : EF-303HT

Purpose	3 Punch former / 3 Tons Force
Controller	HMI with PLC
Forming Power	Hydraulic System
Pipe Diameter	4 - 19.05 mm
Pipe Supply Method	Manual Pipe Supply



PIPE END FORMING MACHINE

SPECIFICATIONS : EF-503HT

Purpose	3 Punch former / 5 Tons Force
Controller	HMI with PLC
Forming Power	Hydraulic System
Pipe Diameter	4 - 25.4 mm
Pipe Supply Method	Manual Pipe Supply



PIPE END SWAGING MACHINE

SPECIFICATIONS : EC-353HT

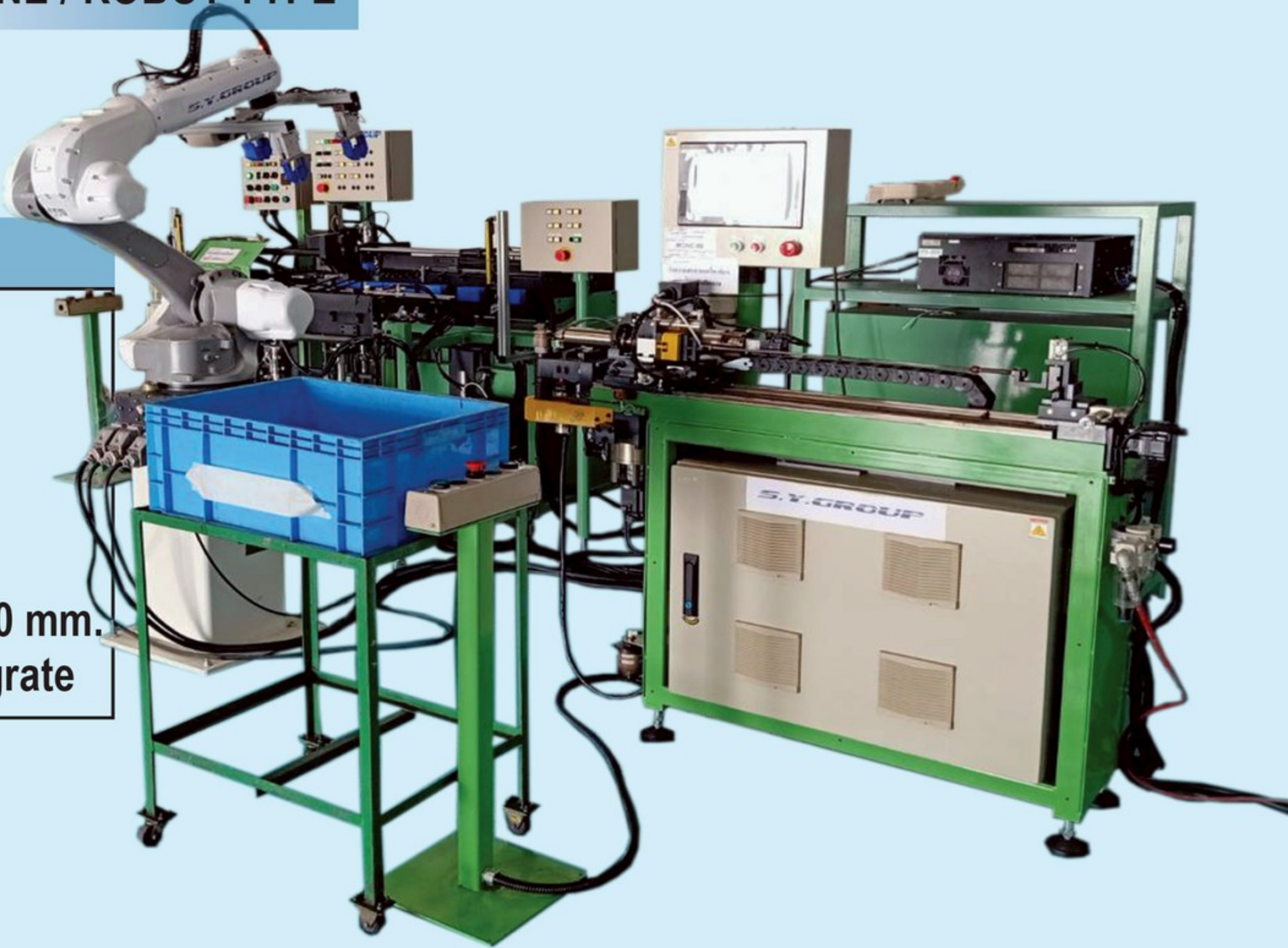
Purpose	Swaging Processing
Controller	HMI with PLC
Swaging Unit	Spindle Selffeeder Unit
Pipe Diameter	4 - 19.05 mm
Pipe Supply Method	Manual Pipe Supply

OTHER INDUSTRIES

AUTOMATIC CNC PIPE BENDER MACHINE / ROBOT TYPE

SPECIFICATION

- Mini CNC Pipe Bender
“ Model : SDB-15SV-MCNC ”
- Max.Pipe Dia. 9.52 mm L= 600 mm.
- Articulated NACHI Robot MZ04
- Max Load 4 Kg. , Joint 6 Axis
- Auto Pipe Loader Dia.9.52 mm. , L = 600 mm.
- System Synchronization / System Integrate



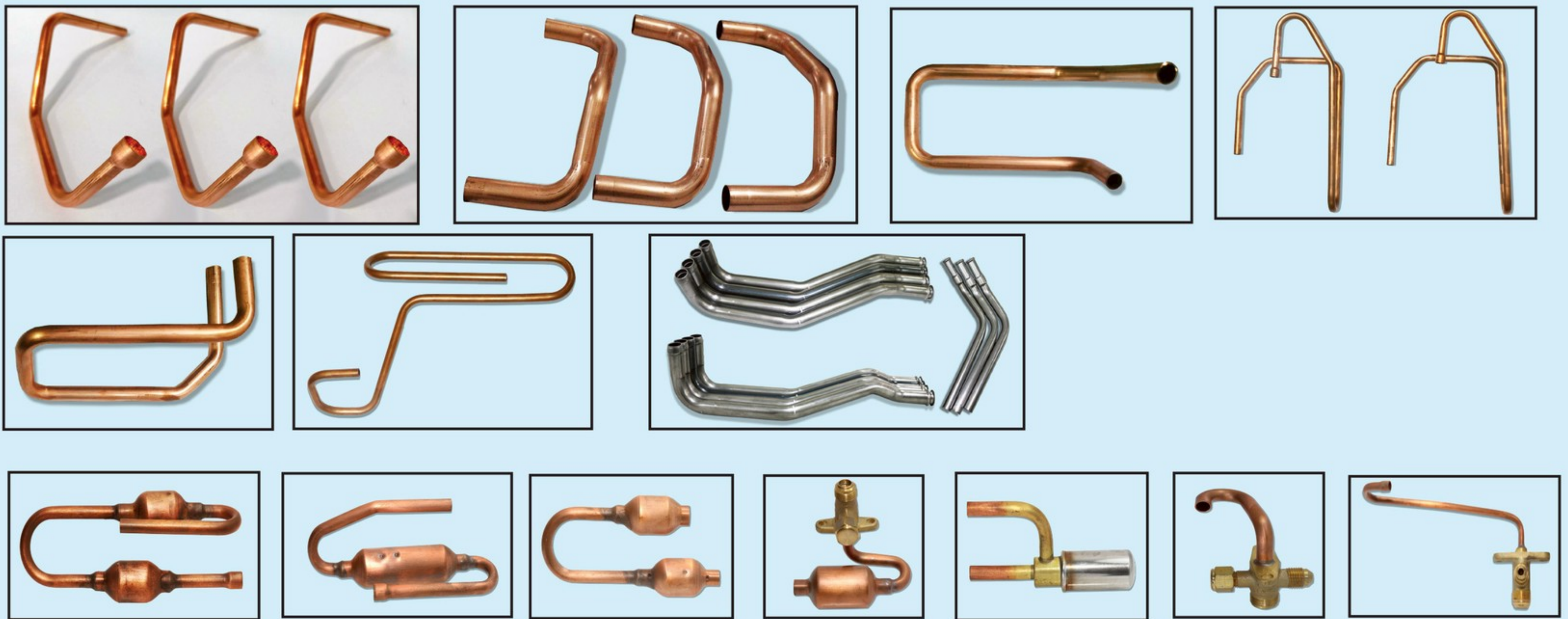
PIPE ANNEALING MACHINE



SPECIFICATION : ANB-1000	
Type of Heating	Gas Burner
Torch Moving Method	Horizontal
Working Length	Copper Tube 150-1000 mm.
Max. Pipe Diameter	31.8 mm.
Positioning Controller	AC Servo Motor
No. of Quantity	4 Pcs / 1 Time

SAMPLES PARTS MADE BY OURS MACHINES

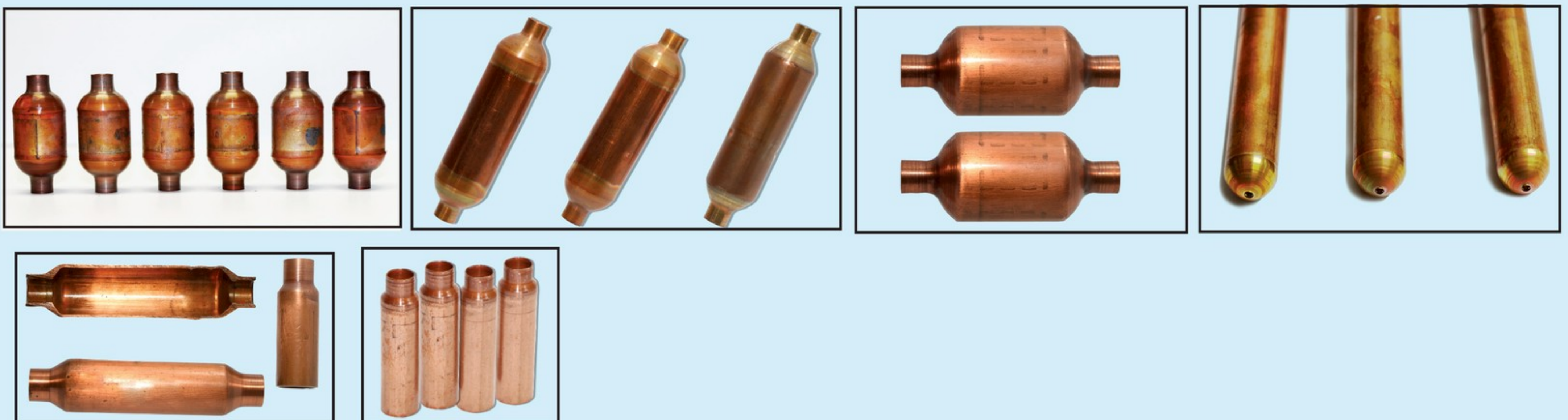
BENDING PROCESS



FORMIING PROCESS



SPINNING PROCESS



BURRING PROCESS



CUSTOMERS

AIR CONDITIONING INDUSTRY RELATED

- ➡ AMAGASAKI PIPE (THAILAND) CO.,LTD.
- ➡ COPELAND (THAILAND) LIMITED.
- ➡ DAIKIN INDUSTRIES (THAILAND) CO.,LTD.
- ➡ FUJIKOKI (THAILAND) CO.,LTD.
- ➡ LG ELECTRONICS (THAILAND) CO.,LTD.
- ➡ MITSUBISHI ELECTRIC CONSUMER PRODUCT (THAILAND) CO.,LTD.
- ➡ MITSUBISHI HEAVY INDUSTRIES CO.,LTD.
- ➡ SAMBO PIPING (THAILAND) CO.,LTD.
- ➡ T.RAD (THAILAND) CO.,LTD.
- ➡ THAI SAMSUNG ELECTRONICS CO.,LTD.
- ➡ XTRON AIR-CONDITIONING MANUFACTURE (THAILAND) CO.,LTD.

AUTOMTIVE INDUSTRY RELATED

- ➡ ATOM MANUFACTURING CO.,LTD.
- ➡ DENSO GROUP
- ➡ CH.RADIATOR CO.,LTD.
- ➡ FORD MOTOR COMPANY (THAILAND) CO.,LTD.
- ➡ CENTRAL MOTOR WHEEL (THAILAND) CO.,LTD.
- ➡ KYOSEKI AUTOMOTIVE PIPING CO.,LTD.
- ➡ MARUYASU INDUSTRIES CO.,LTD.
- ➡ SUN-SHINE ASIA CO.,LTD.
- ➡ THONBURI ENRGY STORAGE MANUFACTURING CO.,LTD.
- ➡ THONGCHAI INDUSTRIES CO.,LTD.
- ➡ THAI KOKEN KOGYO CO.,LTD.
- ➡ THAIKIN INTER SUPPLY CO.,LTD.
- ➡ UNION AUTOPARTS MANUFACTURING CO.,LTD.

CUSTOMERS

REFRIGERATION INDUSTRY RELATED

- ➡ ARCELIK HITACHI HOME APPLIANCES (THAILAND) LTD.
- ➡ ELECTROLUX (THAILAND) CO.,LTD.
- ➡ FISHER&PAYKEL APPLIANCES (THAILAND) CO.,LTD.
- ➡ HAIER ELECTRIC (THAILAND) CO.,LTD.
- ➡ KANG YONG ELECTRIC PUBLIC CO.,LTD.
- ➡ PATANA INTERCOOL CO.,LTD.
- ➡ SHARP APPLIANCES (THAILAND) CO.,LTD.
- ➡ THAI SAMSUNG ELECTRONICS CO.,LTD.
- ➡ THAI TOSHIBA ELECTRIC INDUSTRIES CO.,LTD.
- ➡ TOSHIBA CONSUMER PRODUCTS (THAILAND) CO.,LTD.

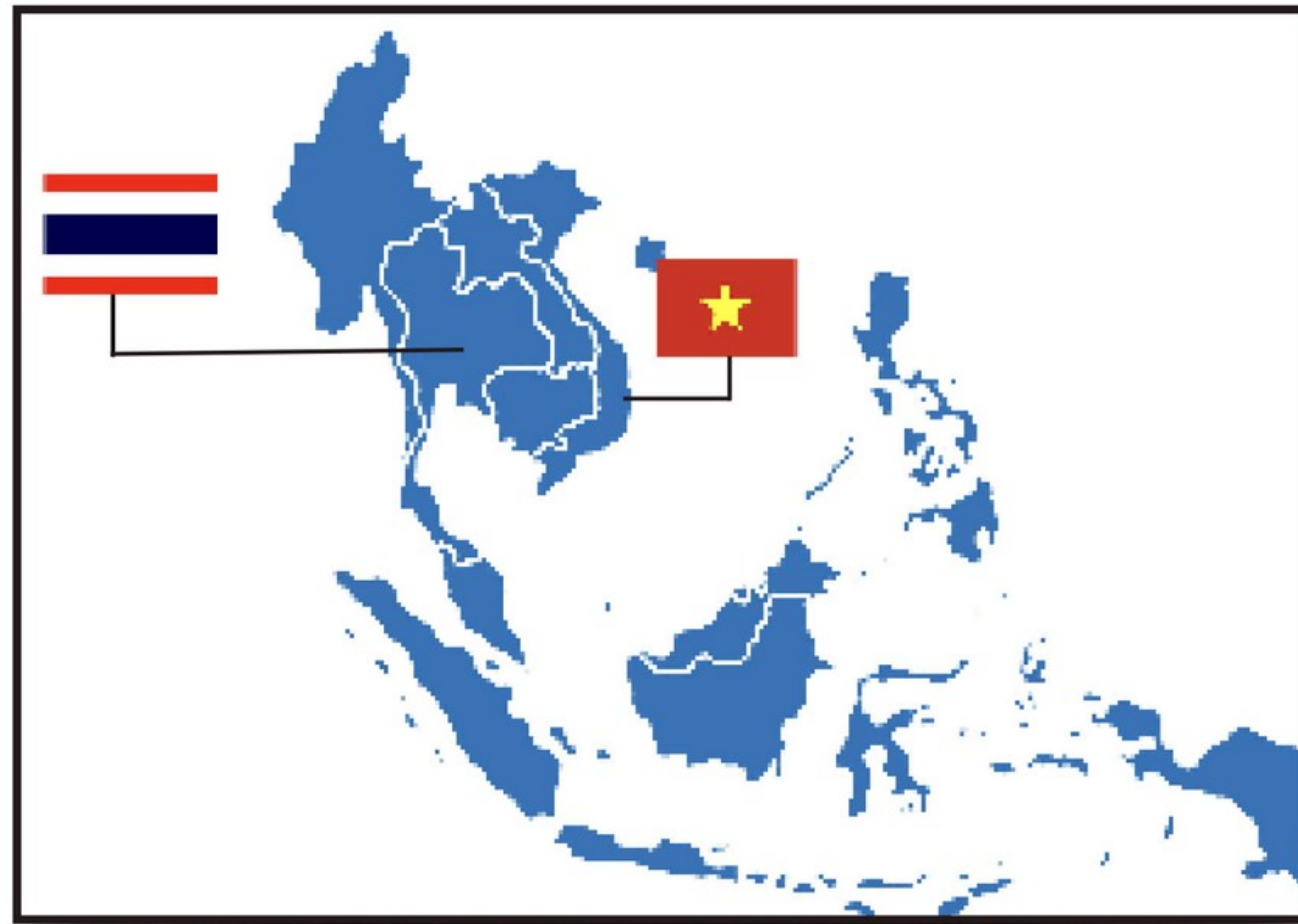
OTHERS INDUSTRY RELATED

- ➡ ELECTROLUX PROFESSIONAL (THAILAND) CO., LTD.
- ➡ SR ASIAN PARTS CO.,LTD.
- ➡ VALEO SIAM THERMAL SYSTEMS CO.,LTD.

OVERSEAS RELATED

- ➡ AMAGASAKI PIPE VIETNAM CORPORATION CO.,LTD.
- ➡ DAIKIN INDUSTRIES (VIETNAM) CO.,LTD.
- ➡ PT DAIKIN INDUSTRIES INDONESIA CO.,LTD.

S.Y.GROUP



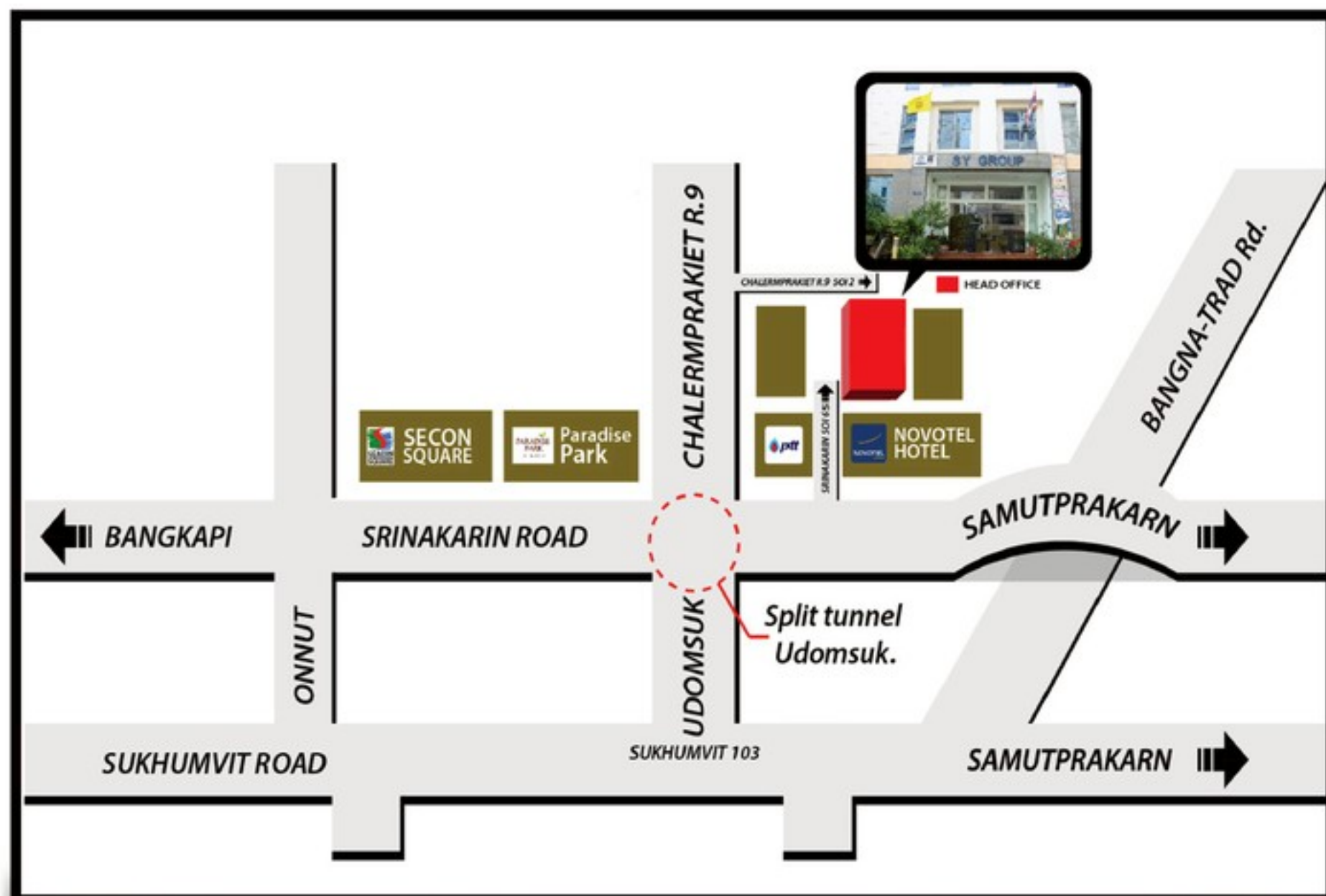
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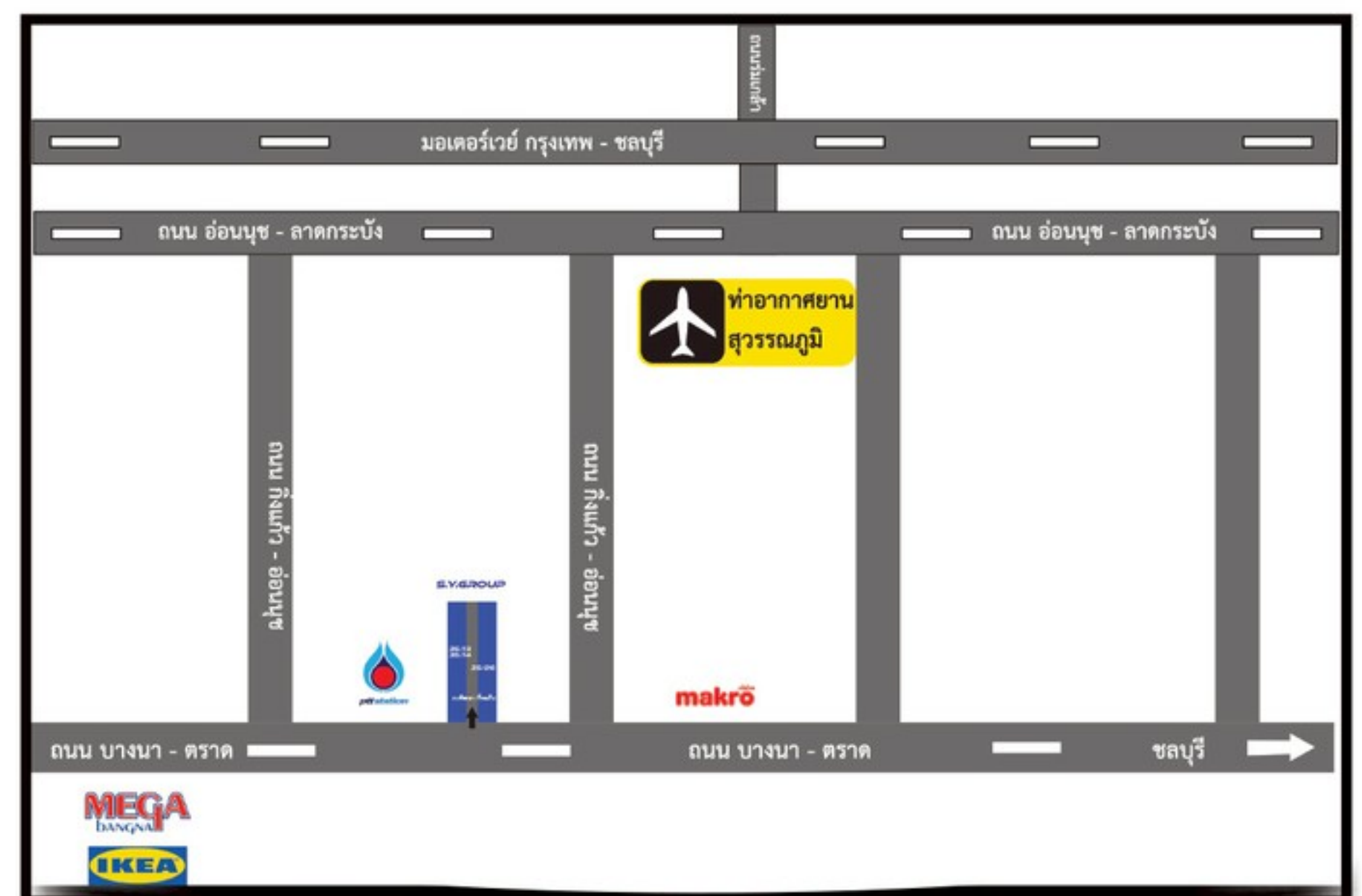
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