

**Microdrilling**<sup>®</sup> Precision Small Diameter Deep Hole Drilling Machine

# *Gundrilling* machine for **Small Hole**



[www.gundrill.com.tw](http://www.gundrill.com.tw)



洋基精工 · 專業創新

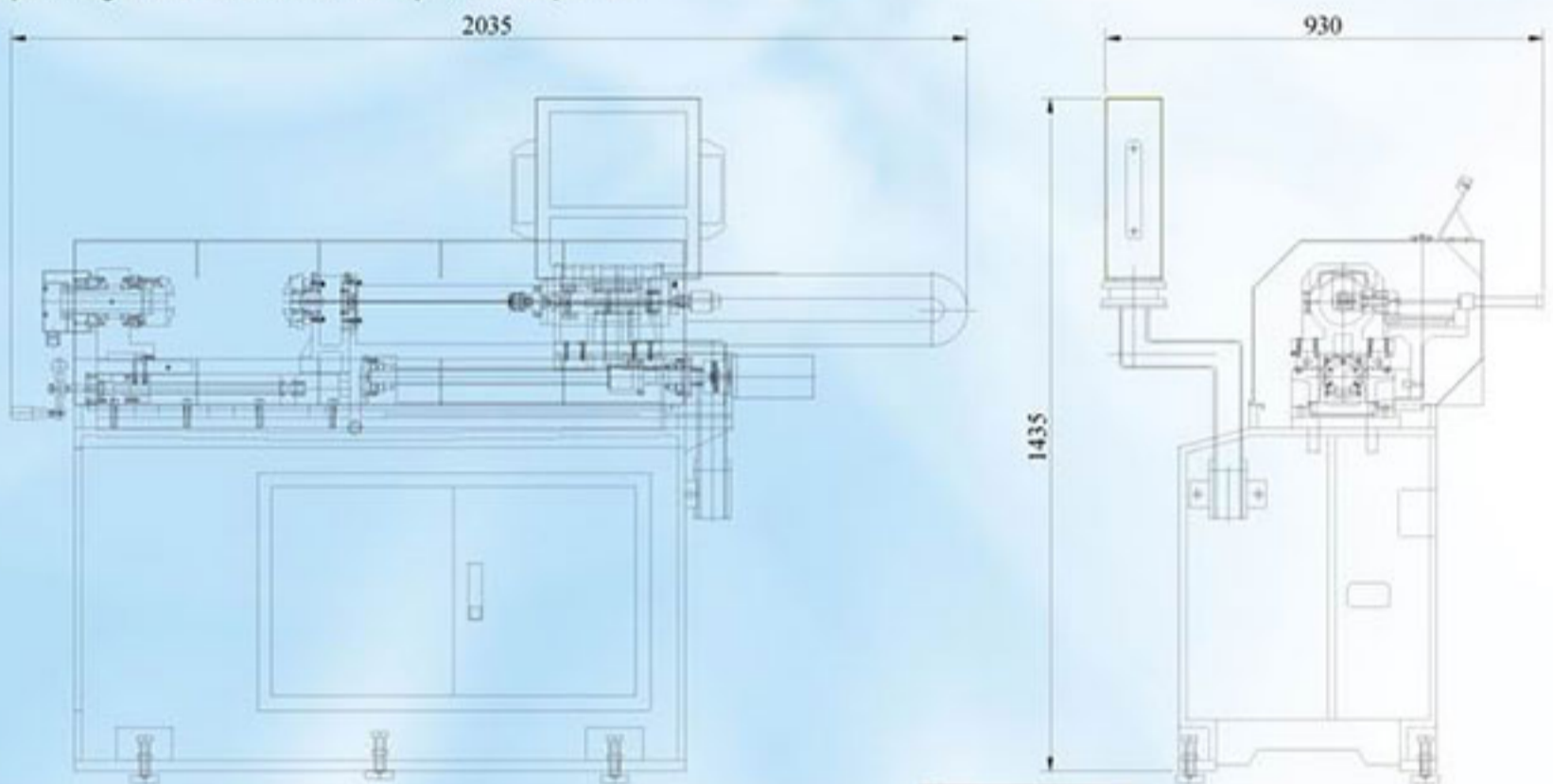
HONGE PRECISION INDUSTRIES CORP.

洋基精工有限公司

# Microdrilling<sup>®</sup>

XL-A Type machines are suitable for the production of small diameter & deep hole drilling components, shafts & mandrels.

- The specially designed and direct spindle produces low noise and vibration.
- Specially designed vibratory dampers (PAT. M444890-Taiwan & ZL200920168114.2-China ) support the gun drills which allow them to use shorter gun drills and prevent curving of drilling holes.
- Servo motor and Ball screw are used for the feed mechanism to insure smooth and convenient feed rate adjustment.
- Suspending type of operation panel and MPG(Hand wheel) for easier setting and operation.
- Automatic lubrication pump is provided as standard accessory to ensure all the bearing surfaces and screws are well lubricated.
- CE package are available for special request.



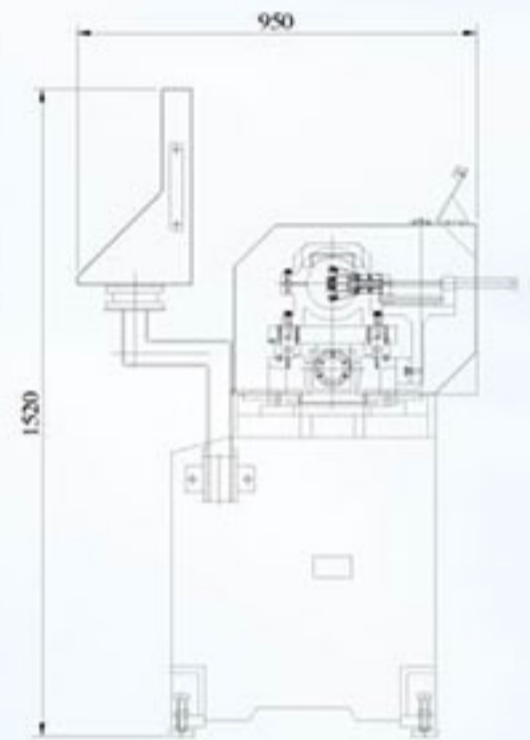
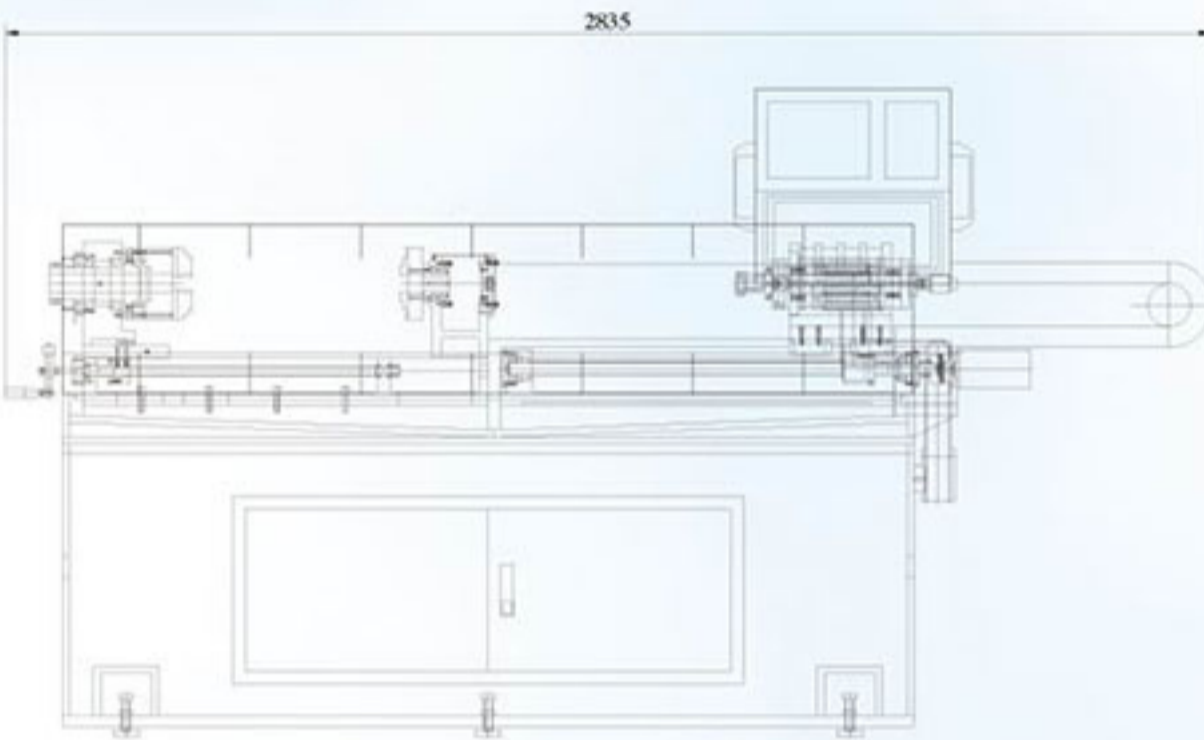
XL-250A



# Microdrilling<sup>®</sup>

## Applications:

1. Fuel Injection nozzle
2. Parts of semi-contactor
3. Parts of medical device
4. Eject pin sleeve



XL-500A

Specification 規格	Model No.	XL-250 A	XL-500A
<b>Drill Capacity</b>	Hole dia	Ø1.5~Ø6mm,	Ø3~Ø13mm,
	Max. depth (Z)	250mm	500mm
	No. of spindle	1 spindle	1 spindle
<b>Power</b>	Spindle motor	1.5kw Servo Motor	3.75 kw Servo Motor
	Drill spindle feed (Z)	0.75Kw Servo motor	1Kw Servo motor
	High pressure motor	3.75kw	3.75kw
<b>Speed</b>	Max. spindle speed	15000 rpm	12000 rpm
	Drill Speed	0~ 100mm/min	
	Rapid	4000 mm/min	
<b>Ball screw for feeds</b>	Spindle infeed	Ø32 x P6.0	
<b>Coolant pump</b>	High pressure pump	10l / min, /150kg/cm <sup>2</sup>	30l / min, 120kg/cm <sup>2</sup> ,
	Coolant tank	400 Liters	500 liters
<b>Controller</b>		Mitsubishi, Fanuc or Siemens CNC controller with 10.4" touch screen and Man-machine Interface	Mitsubishi, Fanuc or Siemens CNC controller
<b>Floor space</b>		800 x 1400mm	1200 x 2200mm
<b>Net weight</b>		12000 kgs	1800 Kgs

Note: We reserve the right to change specifications of the machine without prior notice.

### Standard Accessories

- 1.Acrylic cover
- 2.Spindle oil cooler
- 3.High pressure Coolant pump unit
- 4.Coolant chiller
- 5.Workpiece clamping & rotation device
- 6.Gundrill vibratory damper
- 7.Auto-lubrication for slides and ball screw
- 8.Gun drill holder with collet chuck
- 9.3-jaw scroll chuck
- 10.Level plate and bolts

### Optional accessories

- 1.Gundrill grinder with gun drill holder
- 2.Chip conveyor with coolant filter
- 3.Additional gun drill vibratory damper
- 4.Hydraulic roll type Workrest
- 5.Hydraulic self-Centered workrest
6. Specially designed workpiece clamping fixture
- 7.Additional gundrill holder with collet chuck
- 8.Whip rubber guide/ copper guide
- 9.Drill guide bush
- 10.Gun drill

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