

## **Cnc Lathe Lnt36 S-series**

*LICO Machinery Co., Ltd., the professional manufacturer of Cnc lathe, CNC turning centers, CNC AUTO LATHE, AUTO LATHE, CNC Machine Center*

**Nov. 18, 2008** - [PRLog](#) -- Explore New Concepts

The LICO CNC Multi-slide Automatics for Highly Productive Turning

Lico, a leading manufacturer of automatics in Taiwan, Announces an all-new automatic bar machine. It's a truly high production Multi-slide Automatic Lathe, combining the advantages of cam operated automatics and modern CNC multi-axis control technology. The LNT36 S-series are equipped with a Siemens 840D control, providing fast set up and easy operation for experienced and non-experienced operators.

Enter Into a New Era of High Efficiency with LICO New LNT-S Series CNC Automatics.

The innovative LICO CNC Automatics comprises of three to four compound cross slide and one all-tool-driven 8-position turret, which are all fully CNC controlled. It provides amazing production output, and is unmatched to cam operated automatics and conventional CNC lathes.

### **Machining Samples**

The LICO LNT Series Automatics are specially designed for metalworking industries such as for aviation, vehicles, computers, plumbing fittings, optical instruments and many others.

It is ideal for machining all kinds of materials, ranging from aluminum, brass, steels, high alloy steels to stainless steels.

### **Rigidity , Stability, and Lifetime Deformation-free, All This Can Be Found On LICO CNC**

Lico engineers have combined years of practical automatic lathe design experience with latest structural design concepts to ensure that Lico automatic lathes provide optimum structural and machining accuracy. Ruggedly constructed machine bed with scientifically rib reinforcement achieves the best possible stability. Z-axis slide base and bed are one-piece constructed for added rigidity.

- \* Extra wide span between Z-axis linear ways with full travel support largely increases machining stability and accuracy.
- \* X1 Z1, X3 Z3, X4 Z4 ball screws are directly driven by Siemens servomotors.
- \* Precision linear guideways on Z5 axis.
- \* Automatic lubrication to all slideways.

### **RIGID HEADSTOCK**

- \* The headstock is ruggedly constructed for maximum rigidity and stability.
- \* The spindle runs on class P4 high precision bearings, providing maximum speed up to 6,000 rpm.
- \* The collet chuck-type spindle is actuated by a rotary cylinder, providing fast workpiece chucking.

### **SIEMENS 840D CNC CONTROL**

- \* The machine is equipped with a Siemens 840D CNC control, providing dialog programming for user-friendly operations.
- \* Graphic tool tracing makes training and operations much easier.
- \* During operation, additional programs can be edited for reducing programming time.
- \* The CNC control box can be swiveled for added operational convenience.

### **POWERFUL HYDRAULIC POWER UNIT**

- \* The hydraulic power unit is used for controlling the motions of turret and collet in the spindle.
- \* The hydraulic system consists of top performance hydraulic parts to ensure stable motions, powerful hydraulic pressure and long service life.

## RIGID CROSS SLIDES

\* The LICO CNC automatic lathe can be designed with three to four compound cross slides. They are used to perform various operations such as, longitudinal turning, complex contouring, thread chasing, part-off, etc. by using single point carbide tipped tools or conventional form tools.

## MULTIPLE COMPOUND SLIDES

\* Module designed servo controlled X-Z compound slides are mounted around main spindle, good for OD turning or ID boring and multiple tools can perform machining simultaneously for greatly shorten cycle time.

## 8-POSITION SERVO TURRET

Featuring Turret and Gang Slide Functions \* The newly-designed servo turret also provides the functions on a gang slide.

Mounted on the compound slide, the turret is transmitted by a precision ball screw. It features extra long travel, high speed and two axes interpolation function.

Available to fit with VDI fixed or driving tool to perform contour or compound machining.

## BACK MACHINING

\* The pick-off device with collet is mounted on the turret and actuated by a hydraulic system and servo driven synchronously with the main spindle. It catches the workpieces before cutting off.

\* After indexing to the opposite direction, the workpiece is ready for back machining.

\* The back machining tool platform allows for mounting up to 4 gang tool holders or up to 3 live tool holders.

## AUTOMATIC BAR FEEDER(OPTIONAL)

Choice of Bar Feeder Capacity 1.2 ~ 3.2 Meters.

The LICO CNC Automatic Lathe accommodates various brands of bar feeders. With the use of an automatic bar feeder, the CNC lathe will perform a fully automatic operations.

To enormously reduce labor costs, while upgrading your production efficiency, a bar feeder is recommended.

No special requirements or restrictions on material straightness.

Material rotates within machining area and spindle length of lathe.

Lathe spindle speed can be maximized.

Material can be round, hexagonal and shaped.

Material length can be uniform or random.

Easy to operate and maintain.

Small footprint.

## SCREW-TYPE CHIP CONVEYOR

\* The screw-type chip conveyor comes equipped with a chip cart.

\* Link-type chip conveyor is available upon request.

## PARTS OUTFEED CONVEYOR

\* A parts conveyor is available to equip in the front side of the machine, which automatically delivers the finished parts into a collection tank for convenient handling.

\* The parts conveyor running is program-controlled by Mcode and running frequency can be set as desired by the operator.

## HEAT EXCHANGER FOR ELECTRIC CABINET

The electrical control cabinet is equipped with a high performance heat exchanger to ensure a constant temperature in the cabinet at all times. This ensures not only the normal performance of the control circuit

but also extends the service life of electronic components.

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Professional manufacturer of CNC LATHE, CNC turning centers, CNC Machine Center, Machine Center, Automatics Upgrade CNC Lathe, Automatic Lathe, CNC Automatic Lathe, CNC Multi-Slide Automatics Machine, CNC Lathes.

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Country	Taiwan
Tags	<a href="#">Cnc Lathe</a> , <a href="#">Auto Lathe</a> , <a href="#">Cnc Auto Lathe</a> , <a href="#">Machine Center</a> , <a href="#">Cnc Machine</a>
Link	<a href="https://prlog.org/10142790">https://prlog.org/10142790</a>



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