Machine Accessories

ITEM / MODEL	LV-855	LV-1160	LV-1265	LV-1380	LV-1580
Full Enclosure Guarding	●	●	●	●	●
LED Work Light	●	●	●	●	●
Three Colour Alarm Light Tower Type	●	●	●	●	●
Rigid Tapping	●	●	●	●	●
Remote MPG with Handwheel	●	●	●	●	●
Coolant System	●	●	●	●	●
8000RPM With Belt Drive	●	●	●	●	●
Spindle Air Purge	●	●	●	●	●
Chip Blower Air Gun	●	●	●	●	●
Coolant Gun	●	●	●	●	●
Auto Lubrication System	●	●	●	●	●
Simple Tool Life Management	●	●	●	●	●
Separate Pump For Chip Flush & Coolant	●	●	●	●	●
Chip Flush System	●	●	●	●	●
Tools And Tools Box	●	●	●	●	●
24 Tools Arm Type ATC	●	●	●	●	●
Absolute Encoders On All Axis	●	●	●	●	●
10000RPM Spindle(DDS)	■	■	■	■	■
12000RPM Spindle(DDS)	■	■	■	■	■
Spindle Oil Chiller	■	■	■	■	■
CTS For A / CTS preparation	■	■	■	■	■
Linear Scale	■	■	■	■	■
Auto Tool length Measurement (ATLM)	■	■	■	■	■
Automatic Workpiece Measurement	■	■	■	■	■
Manual Tail Stock For Rotary Table	■	■	■	■	■
4Th Axis Table Preparation	■	■	■	■	■
Chip Conveyor Outside Machine & Chip Bucket	■	■	■	■	■
Oil Skimmer	■	■	■	■	■
Programmable Air Blow	■	■	■	■	■
Panel AC	■	■	■	■	■

● Standard ■ Optional

MITSUBISHI

FANUC

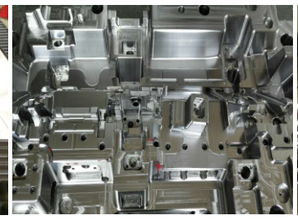
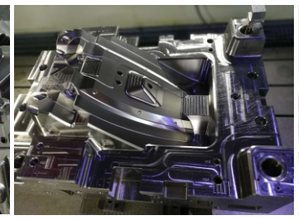
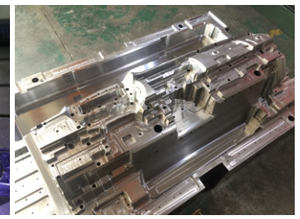
SIEMENS

ASSOCIATED TECHNOCRATS PVT. LTD.
A-72, Sector-64, Noida-201305
U.P. , India
Website : www.atplonline.in
Phone : +91 9818912000, 8130870100

Sales : +91 8826627461
Support : +91 9810060246
E-mail:
sales@atplonline.in
info@atplonline.com

Delhi:
A-318, Ansal Chamber-I, Bhikaji Cama Place
New Delhi-110066
Mumbai : +91 9867438009, 9820607145
Chennai : +91 9710472399

PRECI CENTRE

High Efficiency Machining Center

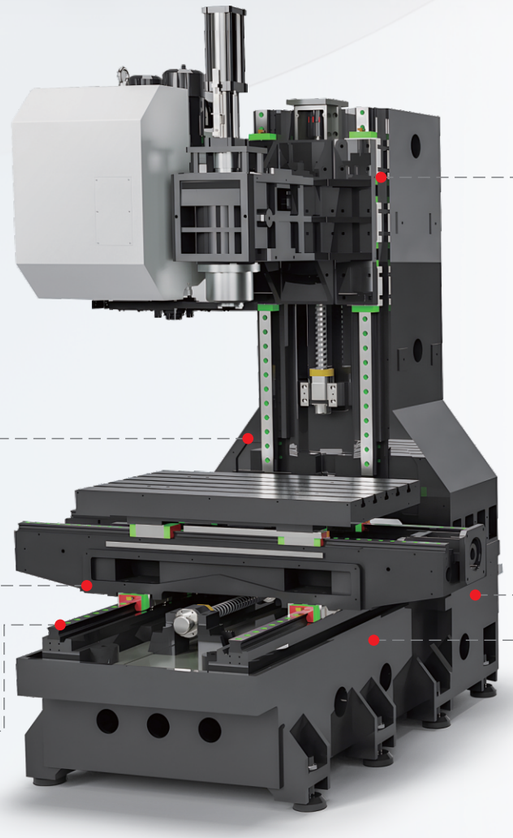
Associated Technocrats Pvt. Ltd.

New Delhi | Mumbai | Chennai.

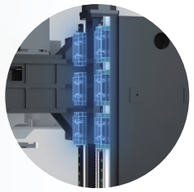
www.atplonline.in

Herringbone column and the Union-Jack pattern shaped internal ribs
Improves the overall rigidity of the machine

Oil-water separation
Easier chip removal, and avoids cutting fluid from stinking and leaking

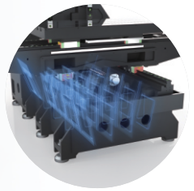


4-track ultrawide Y-axis guideway
Provides stable machining accuracy and rigidity (Applicable to certain models)



(Applicable to certain models)
6 blocks headstock and work table track design
Improve the rigidity and stability of machine tool processing

Ultra wide one-piece machine bed
Provides stable loading capability



Diagonal rib structure machine bed
The stress point is directed directly to the anchor bolts, increasing rigidity, reducing deformation, and improving machining accuracy and stability

Ball Bar Testing

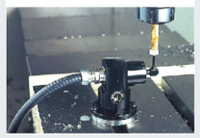
PRECI CENTRE use a stringent ball bar test that checks not only linear accuracy but also machine geometry. This test ensures that each machine meets the three-dimensional squareness and accuracy requirements.

Laser Calibration

Lasers are used to measure the positioning accuracy of every machine over the full travel of each axis. PRECI CENTRE uses these measurements to compensate each axis so that each machine meets the high accuracy requirement. Each machine is shipped with an accuracy chart.

4th & 5th Axis Rotary Table option

This 4th & 5th axis rotary table option boosts productivity by allowing more machining with a single set-up. It also can turn the machine into a 4 axis contouring machine which adds versatility.



Tool Probe option

It measures both tool length and tool diameter. It uses macro programing to automatically define and update tool offsets. This option will easy setup and check for broken tools. These are offered from BLUM or RENISHAW

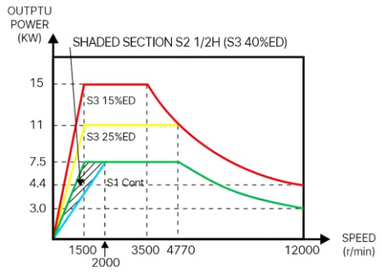
Coolant Through Spindle option

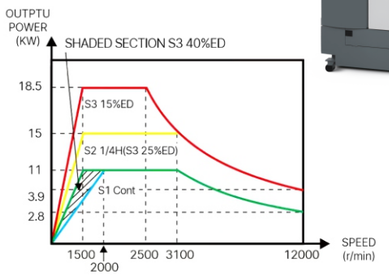
The optional CTS includes an auxiliary high-pressure pump, which supplies high-pressure coolant to the cutting edge. CTS improves tool life, allows both deep hole drilling and blind pocket milling. It also allows higher speeds, which reduces cycle time.

PRECI CENTRE

Vertical Machining Center

The LV series can be offered with different types of CNC controllers like Mitsubishi, Fanuc or Siemens. It has directly coupled motors with absolute encoders matched with class C3 ball screws. Good assembling techniques and in process quality control makes the LV series deliver high accuracy and high precision performance in die and mold making or any other general-purpose machining application. It can be equipped with several performance options like the 4th axis rotary table, auto tool length measurement and workpiece measurement options making it fit for any type of CNC machining application





MODEL		LV-855	LV-1160	LV-1265	LV-1380	LV-1580
Travel						
Travel (X / Y / Z)	mm	850/550/550	1100/600/600	1200/650/600	1300/800/750	1500/800/750
Spindle Nose To Table	mm	120-670	120-720	120-720	120-870	150-900
Spindle Center To Column	mm	612	670	665	860	871
Guideway Width (X / Y / Z)	mm	35/45/45	45/45/45	45/45/45	45/45/45	45/45/55
Table						
Table Size	mm	1000×550	1200×600	1200×600	1500×700	1200×600
T-slot	mm	5×18×90	5×18×100	5×18×100	5×18×145	5×22×145
Max Weight on Table	kg	700	900	900	1000	1500
Spindle						
Standard Spindle		Belt	Belt	Belt	Belt	Belt
Spindle Speed	rpm	8000	8000	8000	8000	8000
Spindle Power	kw	7.5-11	11-15	11-15	15	15
Spindle Taper		BT40	BT40	BT40	BT40(OP:BT50/6000)	BT40(OP:BT50/6000)
Feed						
Max Cutting Feed Rate(X/Y/Z)	m/min	10	10	10	8	8
Rapid Traverse(X/Y/Z)	m/min	36/36/36	36/36/24	24/24/24	30/30/20	20/20/20
Three Axis Power(X/Y/Z)	kw	2/2/3	3/3/3	3/3/3	3/3/3	3/3/3
Ball Screw Diameter/pitch(X/Y/Z)	mm	40/12	40/12	40/12	40/10	50/12
Accuracy						
Positioning Accuracy	mm	±0.005/300	±0.005/300	±0.005/300	±0.005/300	±0.005/300
Repeatability	mm	±0.003	±0.003	±0.003	±0.003	±0.003
Other						
Air Pressure	kgf/cm²	6.5	6.5	6.5	6.5	6.5
Floor Space	mm²	2740x2400	3270x2400	3500x2800	3960x3180	4390x3230
Machine Height	mm	2800	3000	3140	3000	3185
Weight of Machine	kg	6000	7800	8500	11000	12000

* As the appearance of the product may be updated, the pictures in this atlas are for reference only, please refer to the actual product.
* Division I reserves the right to make any technical parameters without notice.

Success through Excellence

www.atplonline.in