



“ Exceeding Your Expectation ”
“ Leading Into A Greater Future ”

LEADWELL
LEADWELL CNC MACHINES MFG.,CORP.



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※ All performance are based on 220V/3PH/60HZ. Specification are subject to change without notice.

T/LTC Series

**Multi-Tasking
Horizontal Turning Center**

**T-8/M/S/SM/XL/XLM
LTC-25i/iL/iXXL/iLV/iM/iLM/iXXLM/iLVM
LTC-30i/iL/iXL/iM/iLM/iXLM**

CNC MULTI-TASKING TURNING CENTER

The slant bed design machine is capable of conducting efficient and precision processing, reducing defect rate, and providing maximum working reliability. Compare to other competitors, this series of models provides less vibration and better construction stability. With higher precision and metal removal rate, this model is applicable for regular components and various metal processing industries.

10.4" LCD & MPG



Parts catcher and parts conveyor

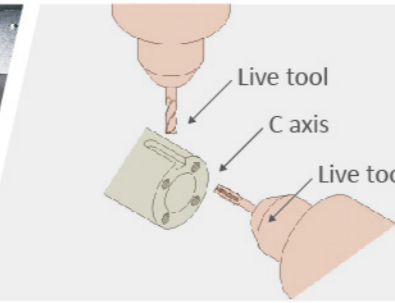
Sheet Metal

Fully enclosed splash guards keep chips and coolant contained for a safe clean working environment.

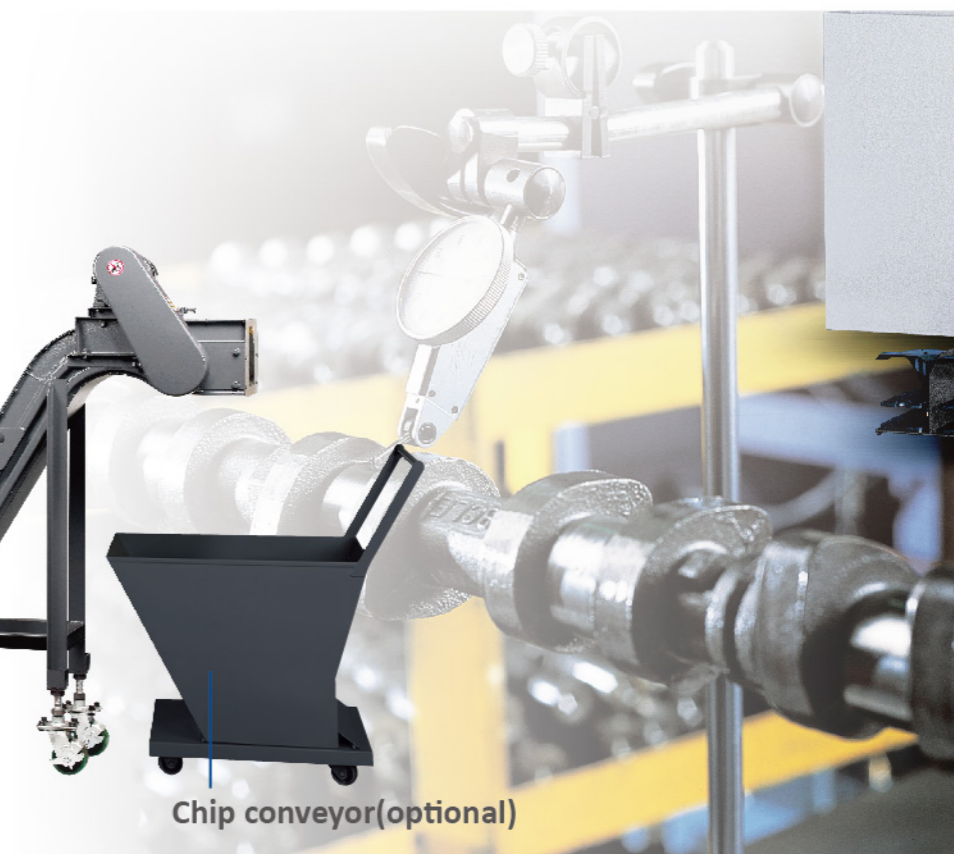


CE-approved guarding is also available as an optional.

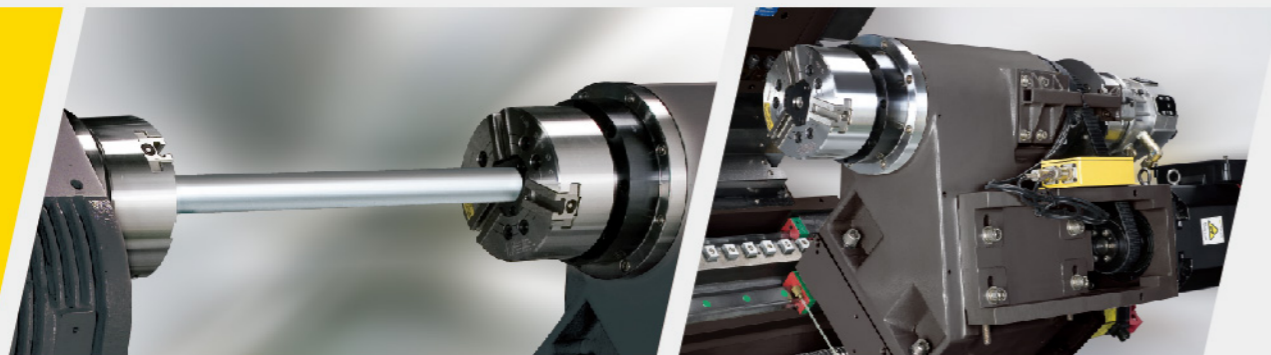
LIVE TOOL TURRET



- Each tool can become a rotating tool for both milling and drilling operations.
- Tools can be either radially or axially oriented.



Chip conveyor(optional)



SUB SPINDLE

- The sub-spindle replaces the standard tailstock on turning centers.
- A position Czi sensor is attached to the sub-spindle so the sub-spindle can then be synchronized with the main spindle.
- Special software allows the workpiece to be transferred from the main spindle to the sub-spindle at any speed for secondary machining operations.
- Allows machining on both end of parts.



Scraping

The contact surface of the guide, turret, tailstock, main spindle table, ball screw, and base have been scraped accurately to provide the best precision and rigidity.

FEA

Casting are well ribbed based on Finite Element Analysis for the size and location to ensure high torsional stiffness and minimum vibration.

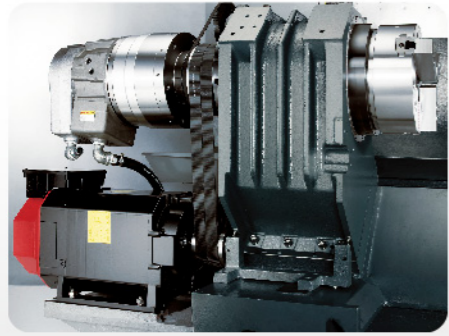
One-Piece Design

One-piece-forged base and saddle with heat treatment and precision grinding can achieve high strength and precision.

STRUCTURE

Sturdy and Durable Machine Body and Guide

The machine frame with 45 degrees slant bed design, manufactured with the best quality Meehanite cast iron body, scientific rib reinforcement, high rigid and vibration tolerance base design, and high precision screw have efficient processing performance.



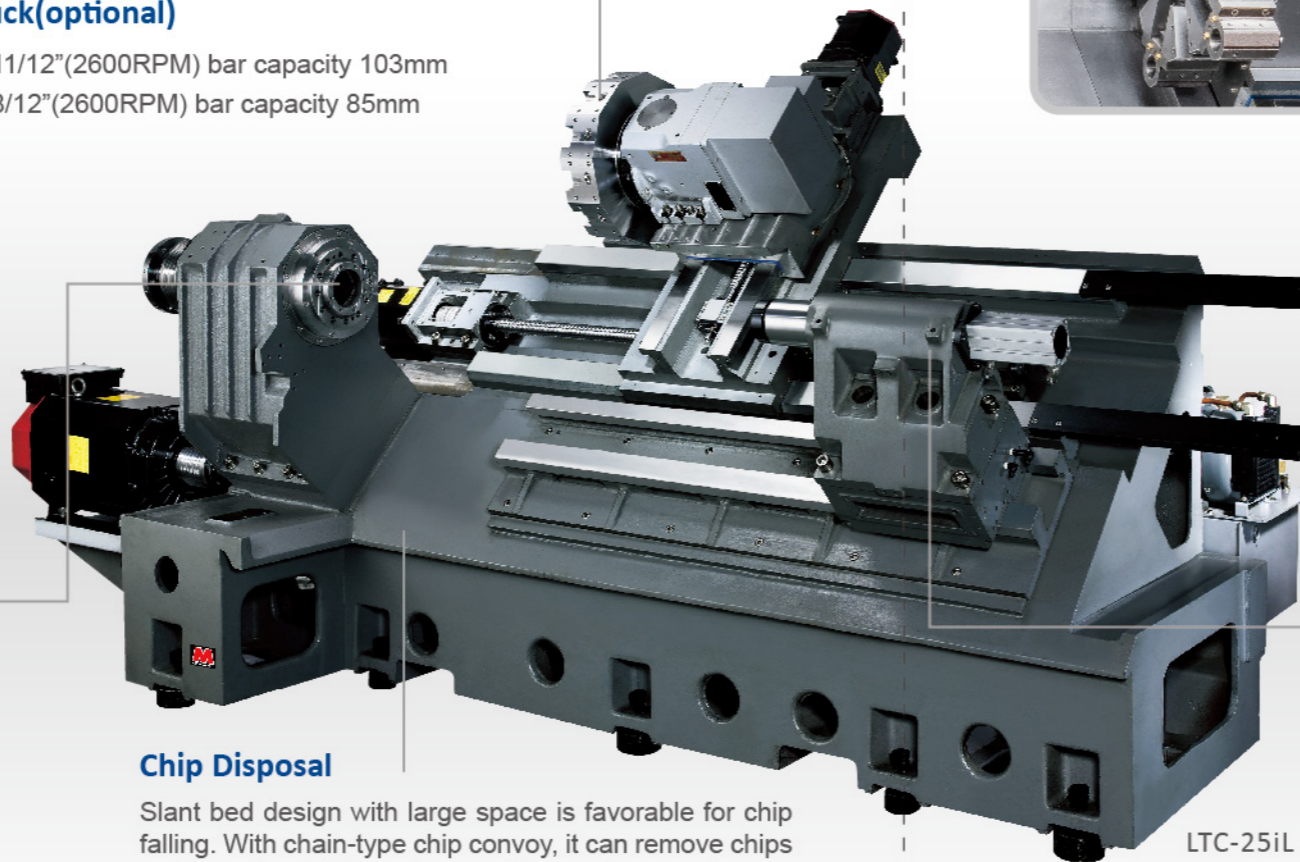
Chuck(optional)

A2-11/12"(2600RPM) bar capacity 103mm
A2-8/12"(2600RPM) bar capacity 85mm



Spindle

High rigidity and long service life.
High precision NN-TYPE spindle bearing from Japan and Europe.



Chip Disposal

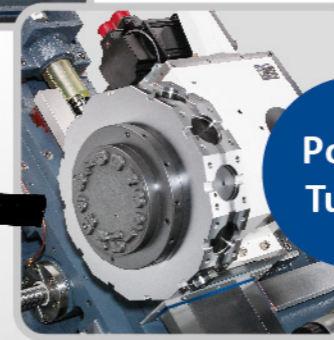
Slant bed design with large space is favorable for chip falling. With chain-type chip convoy, it can remove chips easily and maintain a clean working environment.



Standard Turret

12 TOOLS
CLT-100S

Driven by servo, rotating smoothly and easily select the tools to avoid the collision.



Power Turret

12 TOOLS
VDI-40 Axial
BMT-65 Radial(optional)

With applying for three pieces of curve coupling, indexing belt and offset design to ensure lower noise and backlash while turret rotating.

Tailstock

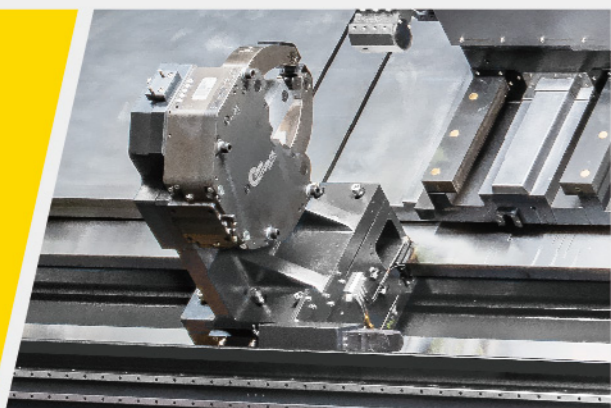
MT-5(manual)

Sub-Spindle (optional)

To enhance efficiency and reduce accuracy lost due to reversing workpiece manually.

Programmable Tailstock (optional)

Movement By Z-axis sliding plate by M code control.



Programmable Hydraulic Steady Rest (optional)

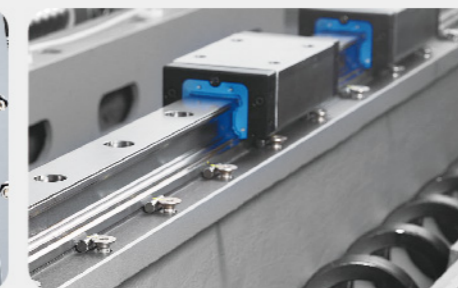
Steady rest to support the workpiece can avoid workpiece bending or tilting during processing. For further processing, dual or multiple hydraulic steady rests can be implemented.

- Max. programmable hydraulic steady rest: SLU3.2(50-200MM) T-8LTC-25i SERIES
- In house manufactured manual steady rest: (80-200MM) T-8/LTC-25i SERIES (140-300MM) T-8/LTC-25i/LTC-30i SERIES



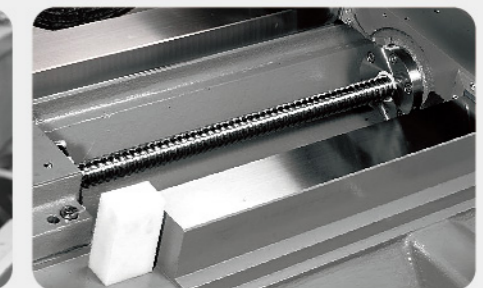
Precision Ball Screw

To apply for high accuracy , low torque fluctuations, and long-term maintenance-free operation by using.



High Speed Linear way

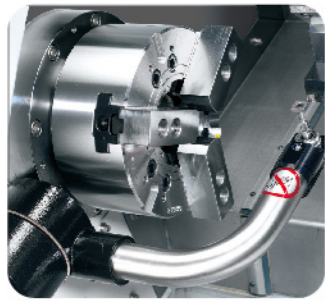
For high-speed cutting, light-duty, higher precision, and lower friction and motor wear. (T series)



High Rigid Box way

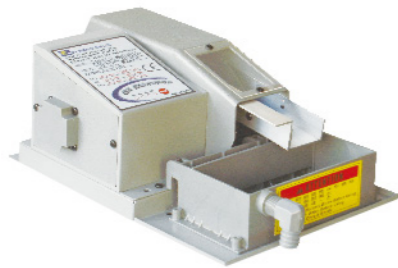
For heavy-duty cutting, stability, fewer vibrations. (LTC series)

HIGH PERFORMANCE OPTIONS



Tool Setter

The tool setter with probe can measure various tool lengths and detect the damaged of tools. Via tool life management, it can be saved all status automatically.



Oil skimmer

Removing foreign matter and water, reducing wastewater emission, and recycling waste oil extend tool service life.



Air Conditioner

Prevent dust, humidity and moisture from entering into the electrical control panel, and improve component life.



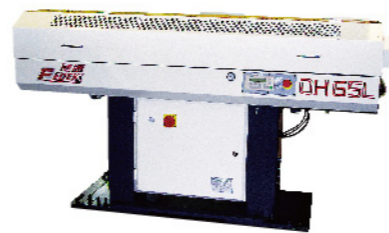
Parts Catcher

The unique parts catcher improves productivity with the bar feeder option, it also can automatically loaded the finished part into bucket, and then to enhance the productivity.



Oil mist collector

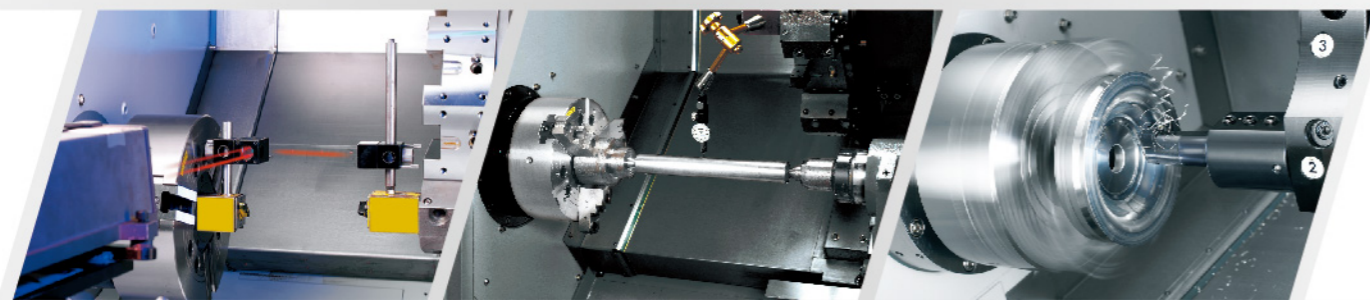
Powerful oil mist collecting performance with low cost and high service life can maintain a clean environment.



Bar Feeder

The bar feeder is suggested for unattended bar machining and high production requirements. It handles bars ranging from 5 to 65 mm in diameter. Bar loading can be quickly accomplished. Easy parameter setting for various bar sizes.

HIGH QUALITY ASSURANCE



Laser Calibration

Machine Geometric Checking

Cutting and Coolant Testing

CHIP REMOVAL SYSTEM

| TYPE | CHAIN | SCRAPER | PRECISION SCRAPER |
|---------|--|---------------|-------------------|
| View | | | |
| Process | *chain type:>6mm chips or with round & thin chips *chain type with cylinder brush:>2mm chips or non-round or thin chips | 2mm-6mm chips | <6mm chips |

CUTTING PERFORMANCE

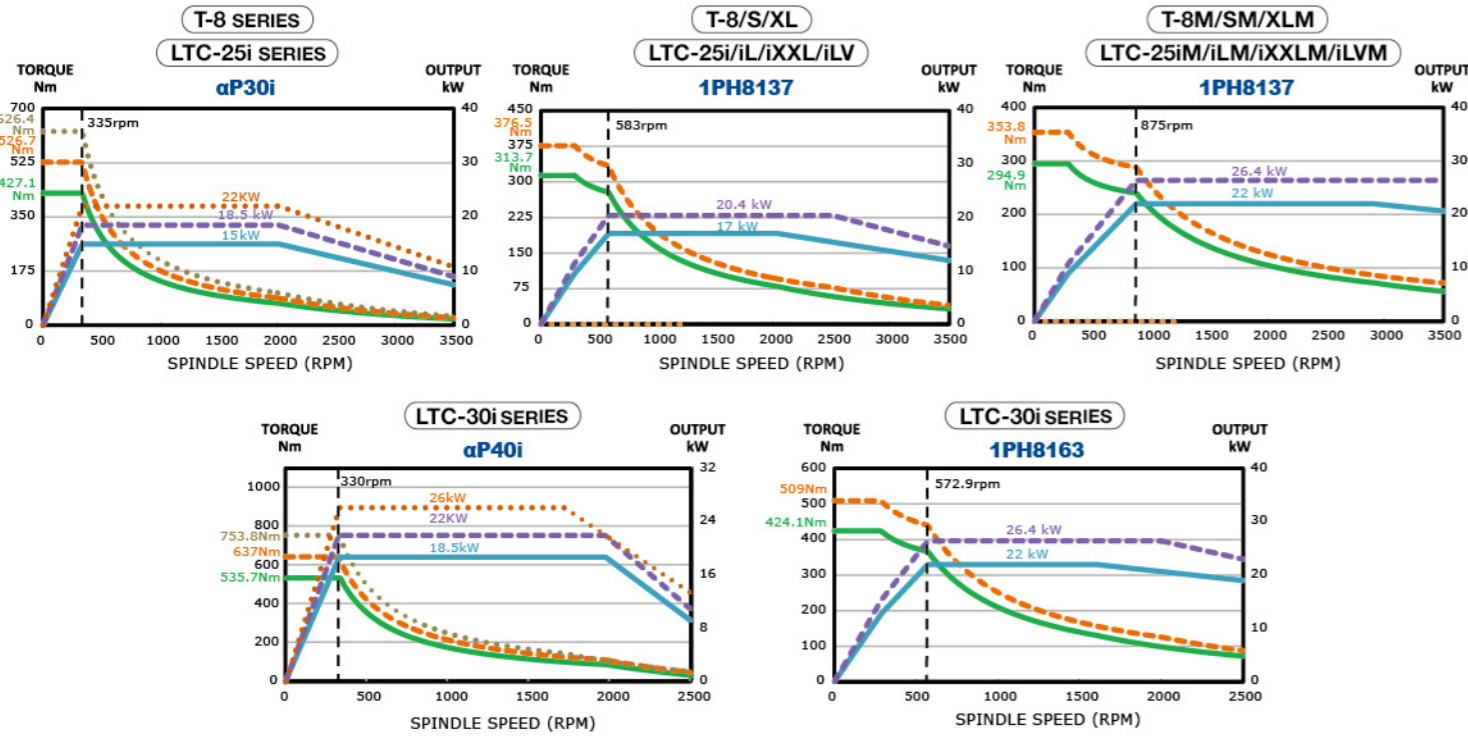


Material : S45C
Model : LTC-25iLM

| | TOOL mm | CUTTING SPEED m/min | SPINDLE SPEED rpm | FEED PER mm/rev | FEED RATE mm/min | CUTTING DEPTH mm |
|--------------------------|----------|---------------------|-------------------|-----------------|------------------|------------------|
| Heavy Cutting | 68 | 225 | 1053 | 0.32 | 336 | 7 |
| Keyway | 5 | 100 | 454 | 0.12 | 63 | 3 |
| Fast Drilling | 50 | 160 | 1000 | 0.15 | 150 | 40 |
| Rigid Tapping | M24XP3 | 15 | 200 | 3 | 600 | 35 |
| Power Drilling | 20 | 25 | 390 | 0.25 | 97 | 40 |
| Power Rigid Tapping | M20XP2.5 | 10 | 160 | 2.5 | 400 | 30 |
| Power End Milling Keyway | 24 | 71 | 930 | 0.12 | 220 | 12 |

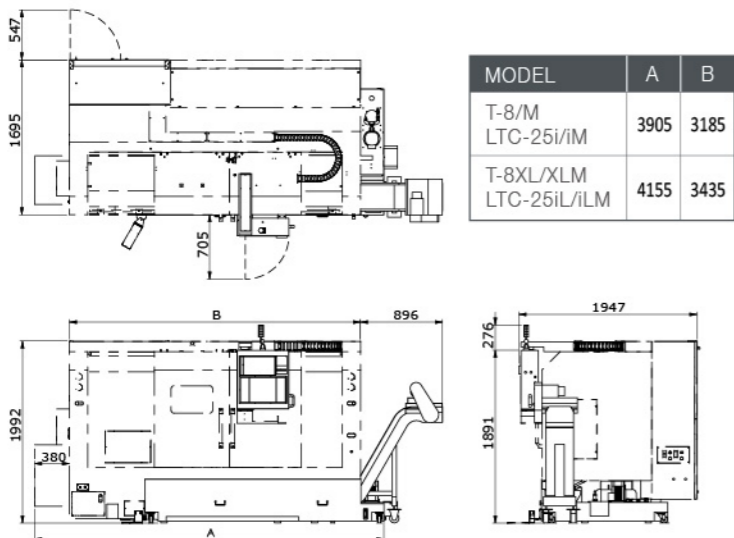
SPINDLE POWER CURVE

— Torque- S1 (Nm) - - - Gbox Torque- S1 (Nm) — Output- S1 (kW) - - - Torque - S3-25% (Nm)
— Torque- S2 30 min (Nm) - - - Gbox Torque- S2 30 min (Nm) — Output- S2 30 min (kW) - - - Output - S3-25% (kW)

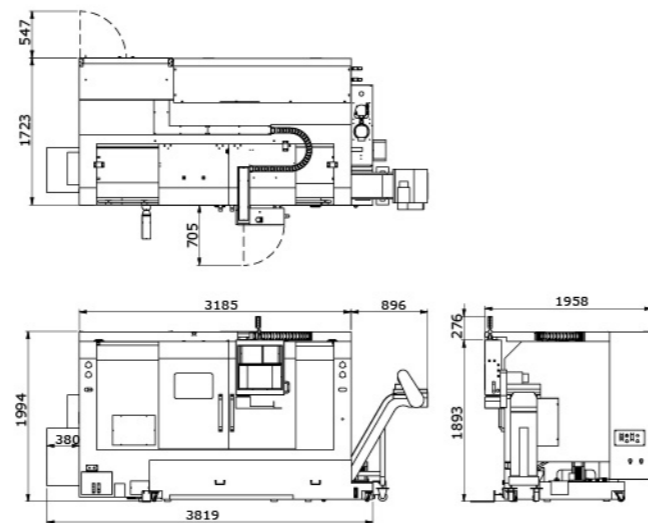


OUTLINE DIMENSION

T-8/M/XL/XLM
LTC-25i/iL/iM/iLM

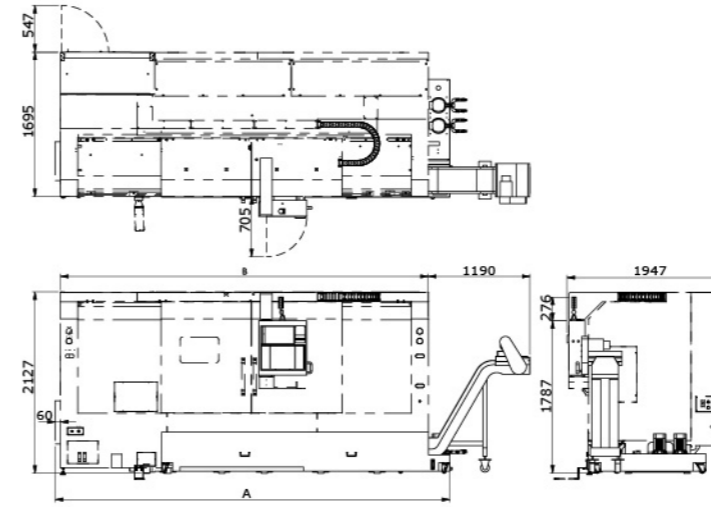


T-8S/SM



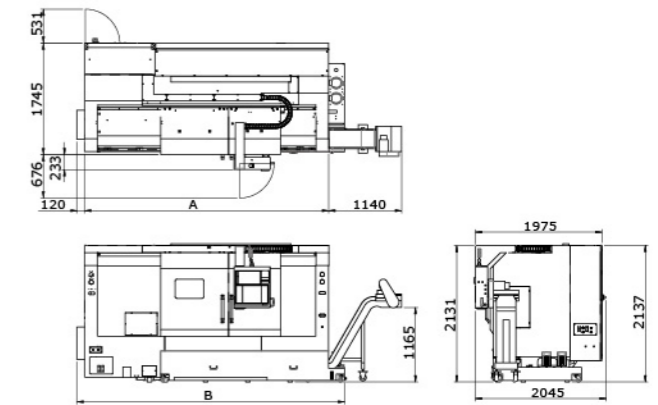
OUTLINE DIMENSION

LTC-25iXXL/iLV
LTC-25iXXLM/iLVM



| MODEL | A | B |
|------------------|------|------|
| LTC-25iXXL/iXXLM | 4625 | 4311 |
| LTC-25iLV/iLVM | 5355 | 5041 |

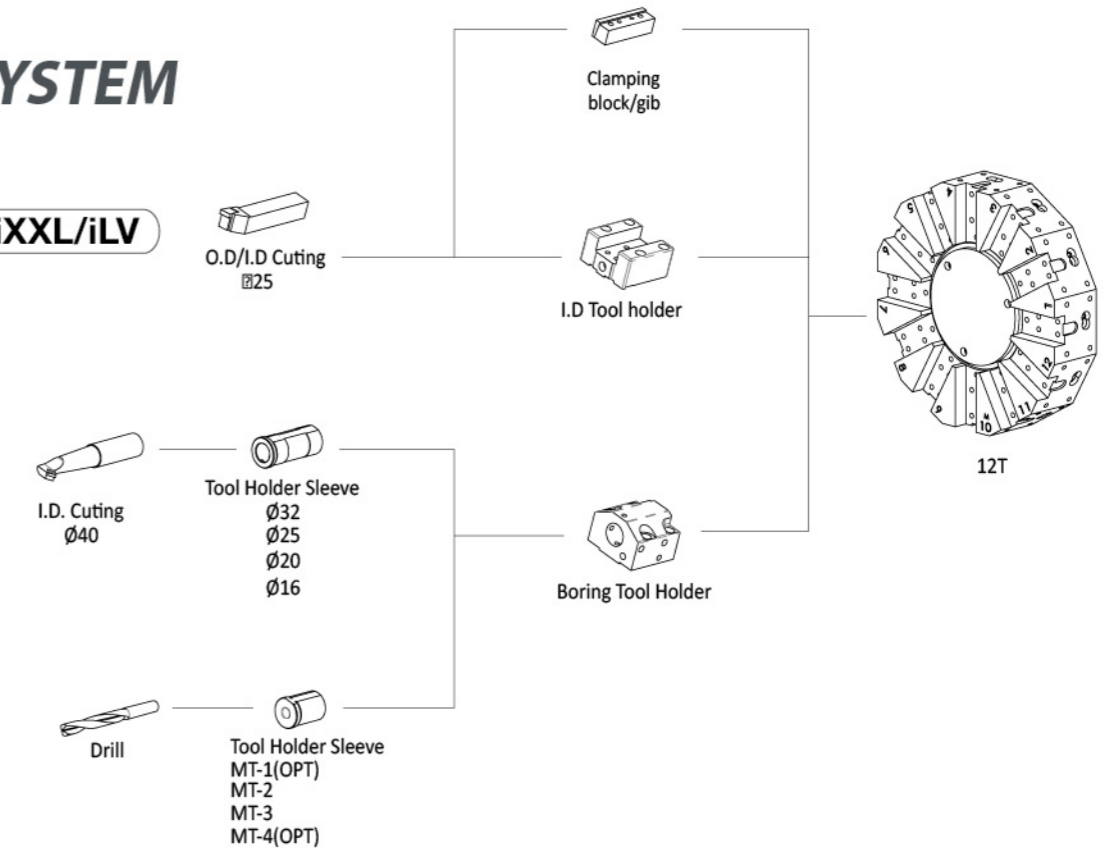
LTC-30i/iL/iXL
LTC-30iM/iLM/iXLM



| MODEL | A | B |
|----------------|------|------|
| LTC-30i/iM | 3811 | 4181 |
| LTC-30iL/iLM | 4311 | 4681 |
| LTC-30iXL/iXLM | 4811 | 5181 |

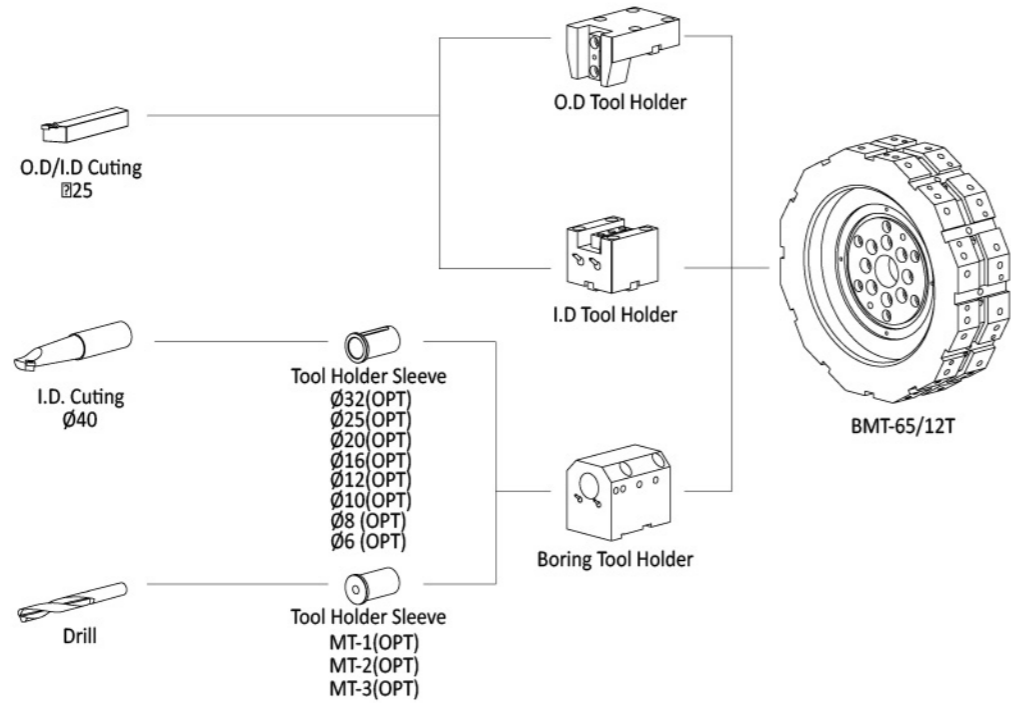
TOOL SYSTEM

T-8/XL
LTC-25i/iL/iXXL/iLV

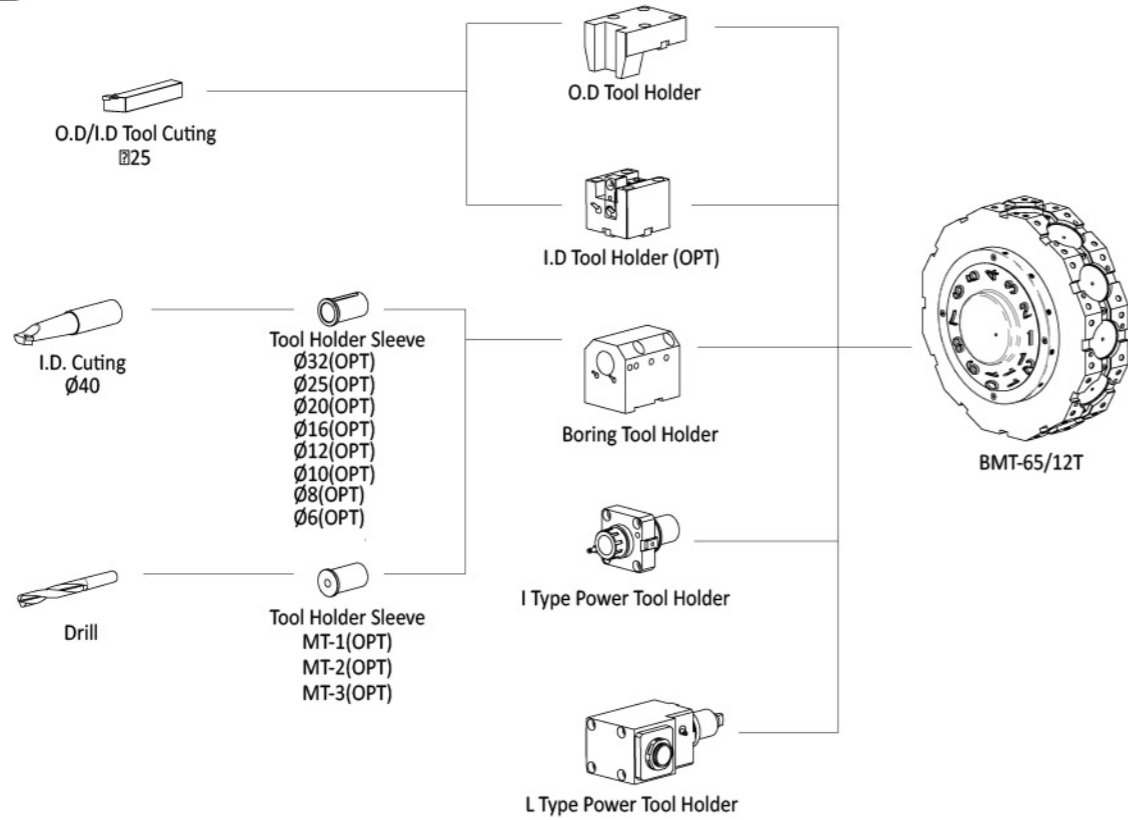


TOOL SYSTEM

T-8S



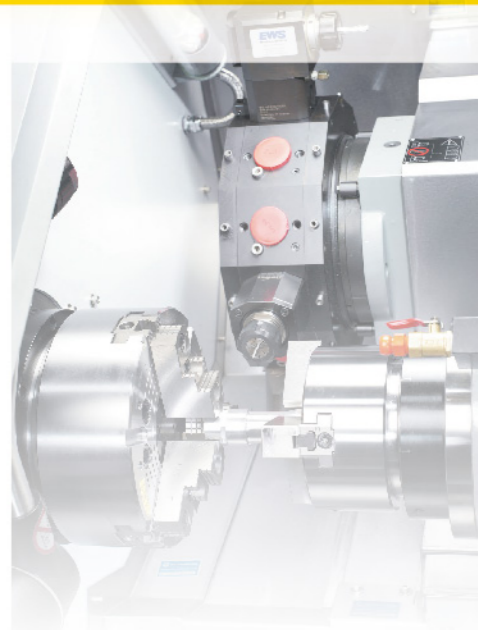
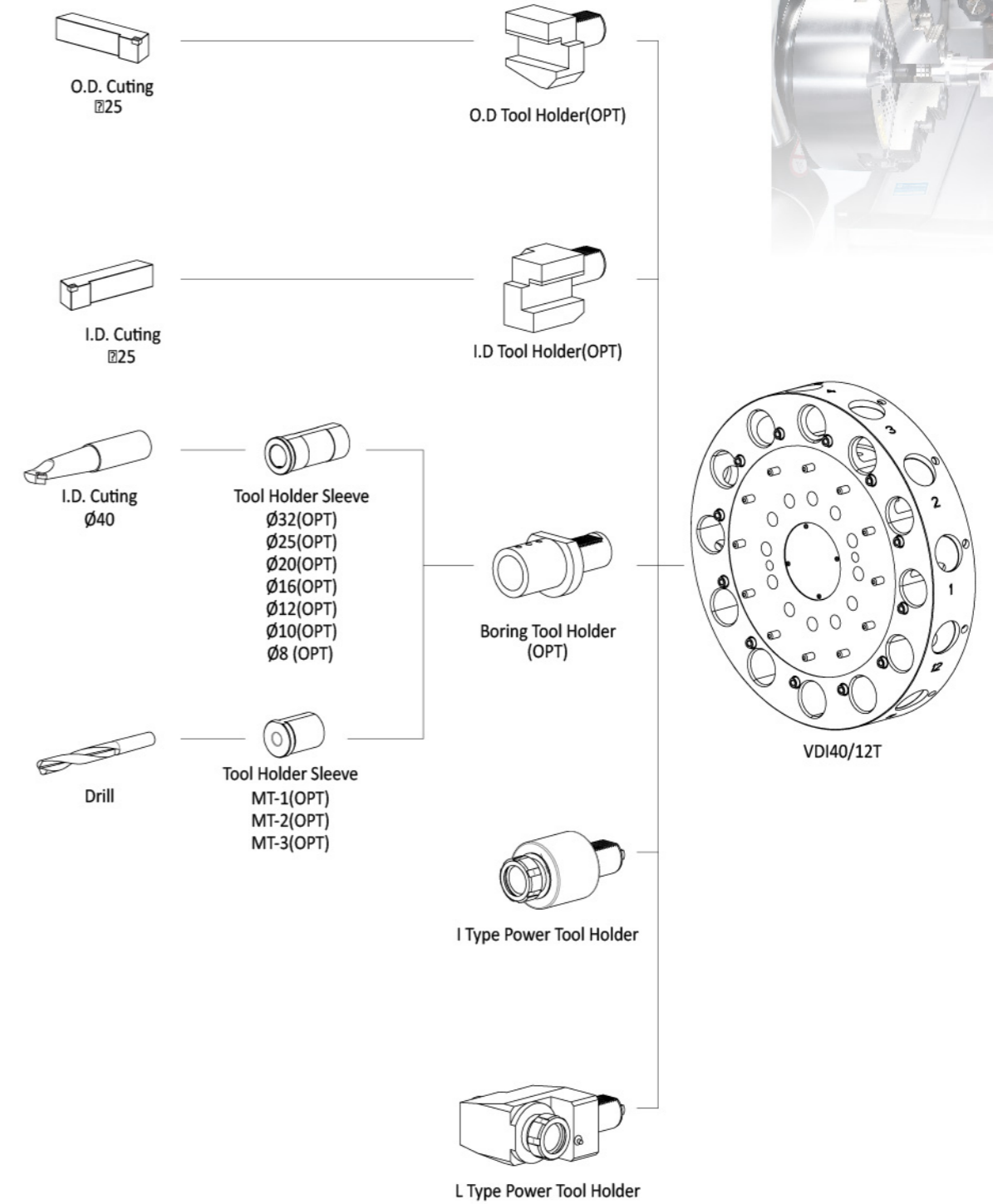
T-8SM



TOOL SYSTEM

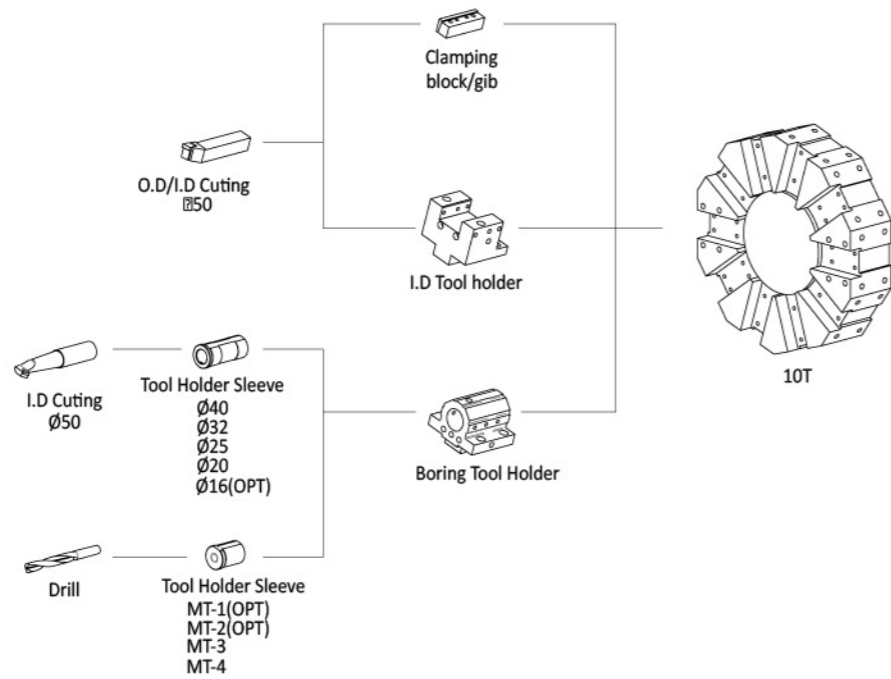
T-8M/XLM

LTC-25iM/iLM/iXXLM/iLVM

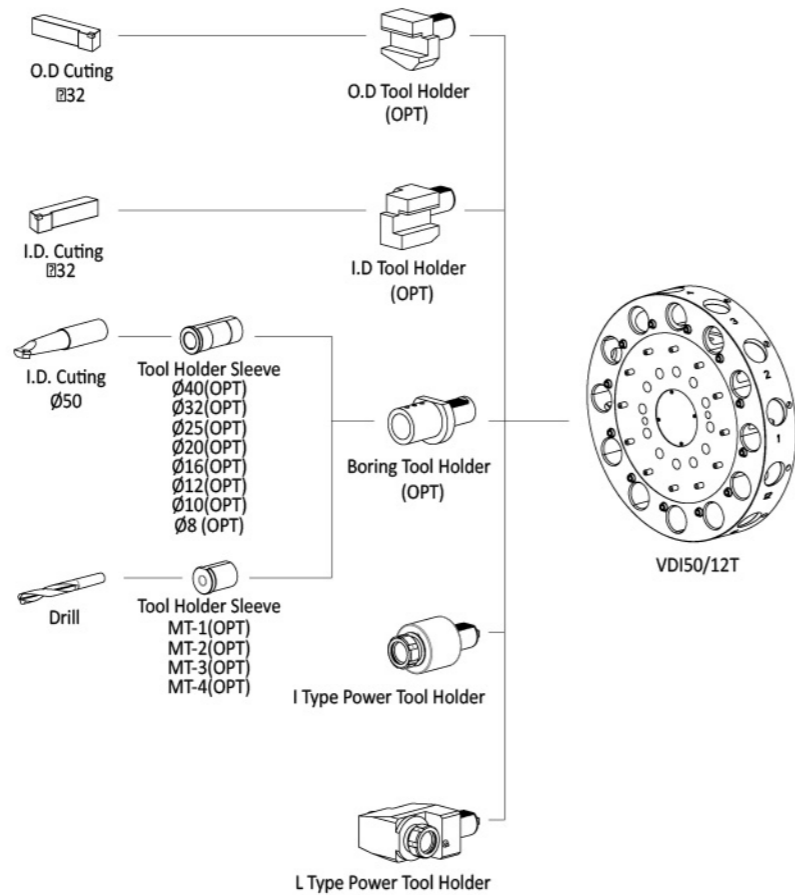


TOOL SYSTEM

LTC-30i/iL/iXL



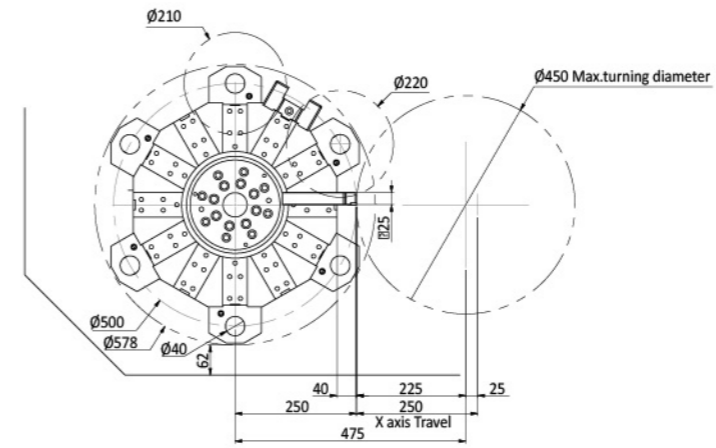
LTC-30iM/iLM/iXLM



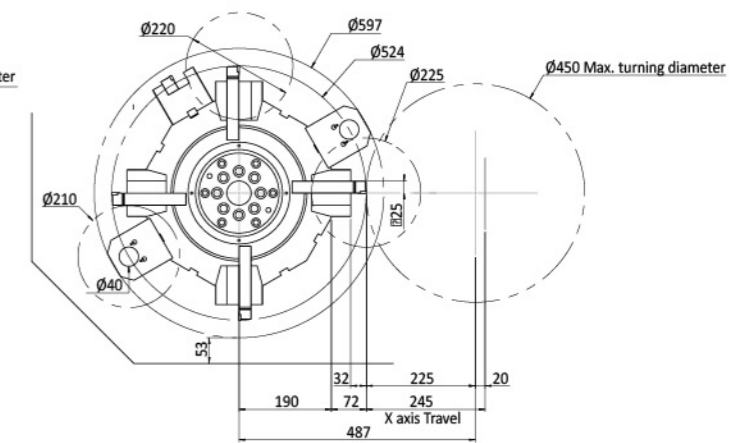
TOOLING INTERFERENCE

T-8/XL

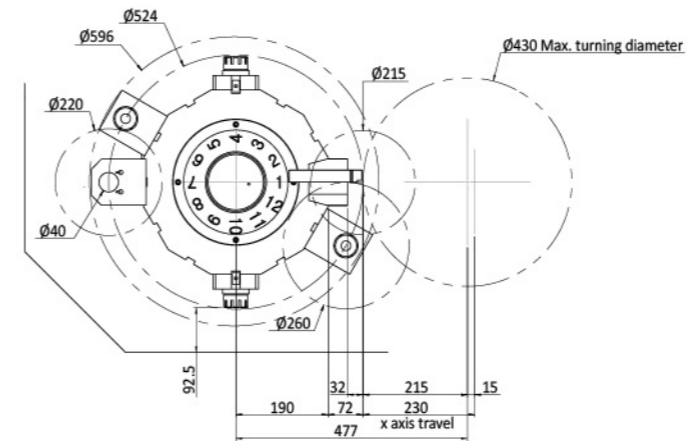
LTC-25i/iL/iXXL/iLV



T-8S

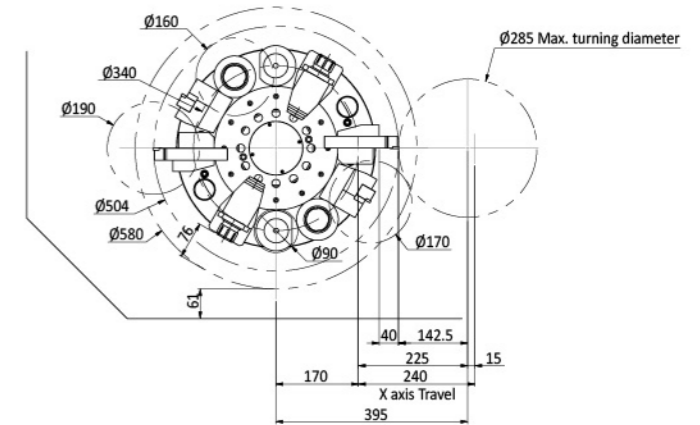


T-8SM

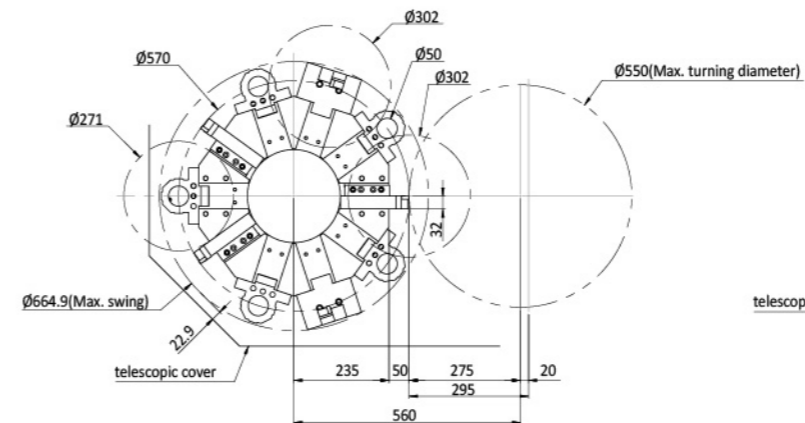


T-8M/XLM

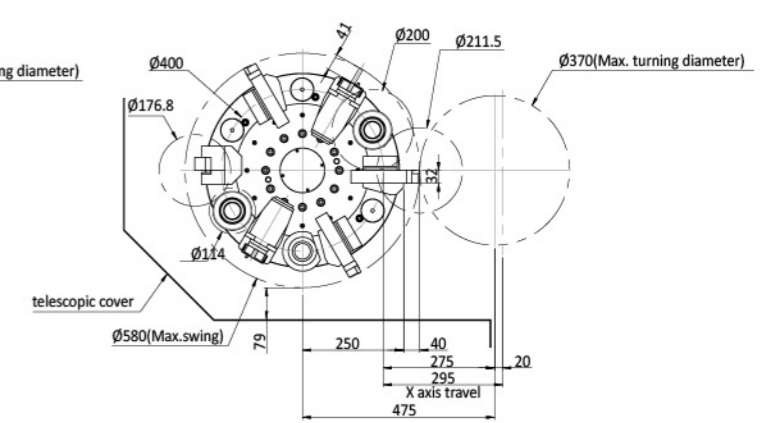
LTC-25iM/iLM/iXXLM/iLVM



LTC-30i/iL/iXL



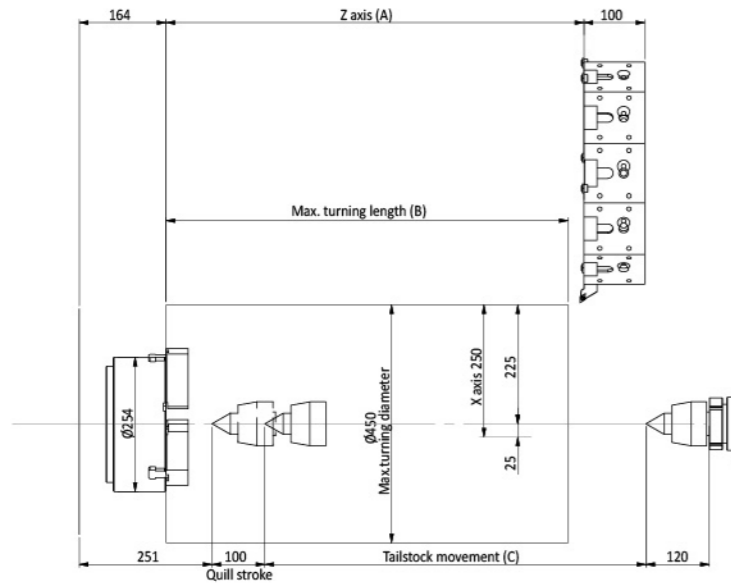
LTC-30iM/iLM/iXLM



WORKING CAPACITY

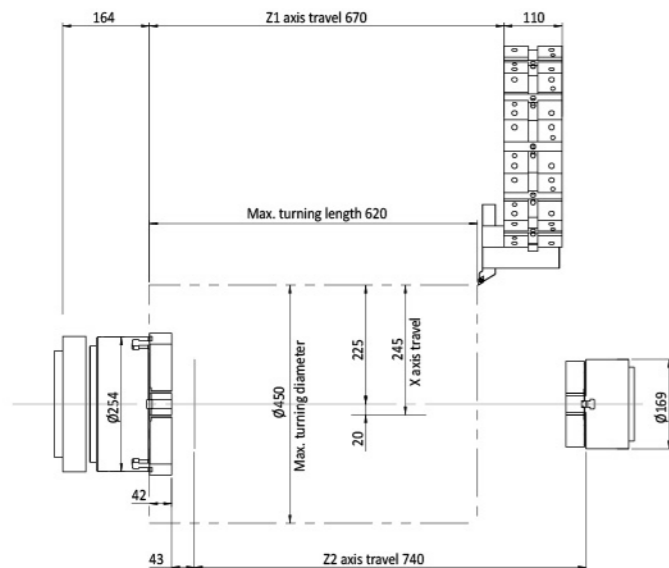
T-8/XL

LTC-25i/iL/iXXL/iLV

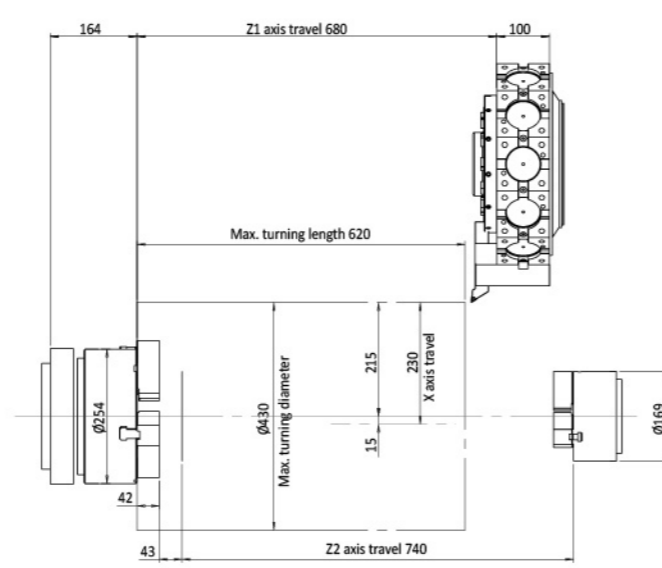


| MODEL | A | B | C |
|----------------|------|------|------|
| T-8/LTC-25i | 790 | 760 | 720 |
| T-8XL/LTC-25iL | 1050 | 1020 | 970 |
| LTC-25iXXL | 1550 | 1520 | 1520 |
| LTC-25iLV | 2050 | 2020 | 2020 |

T-8S

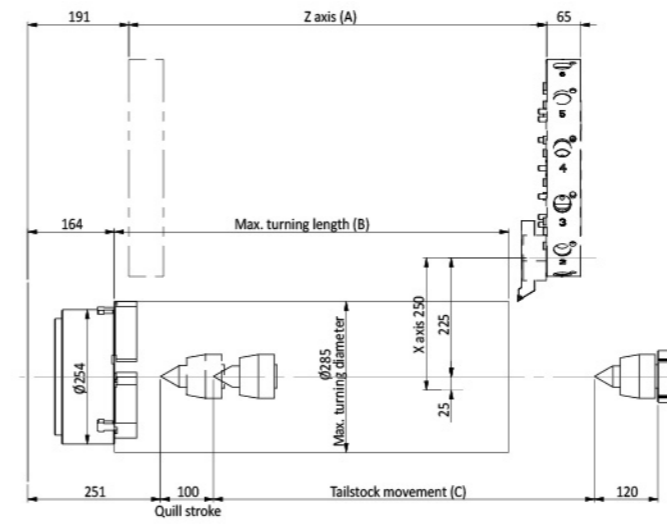


T-8SM



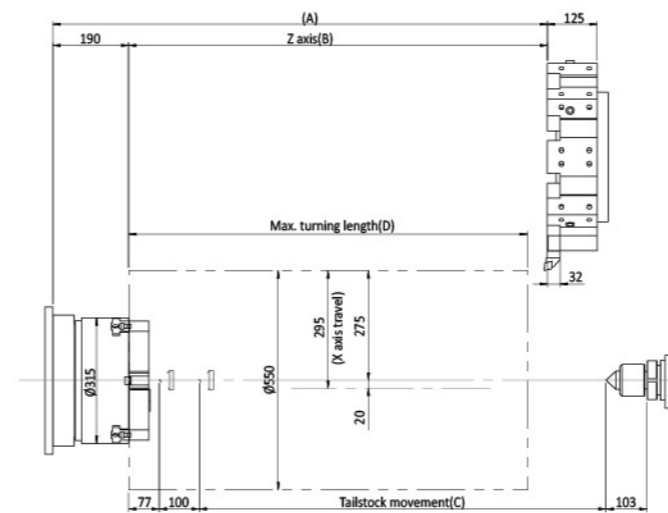
T-8M/XLM

LTC-25iM/iLM/iXXLM/iLVM



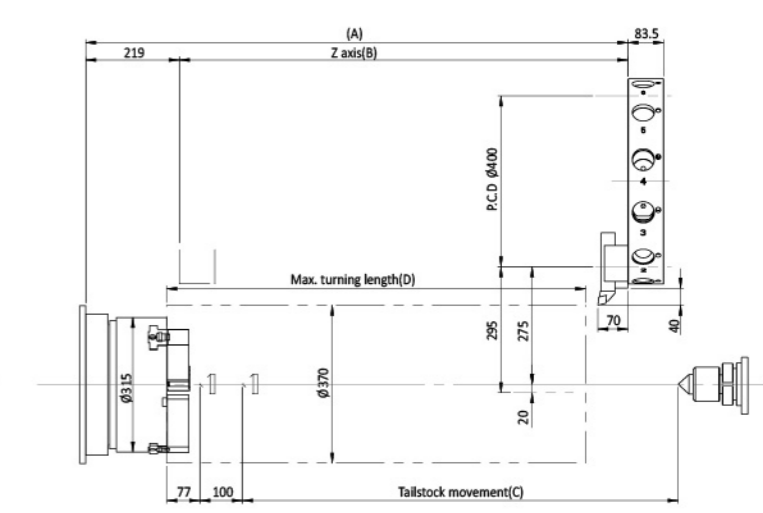
| MODEL | A | B | C |
|------------------|------|------|------|
| T-8M/LTC-25iM | 790 | 745 | 720 |
| T-8XLM/LTC-25iLM | 1050 | 1005 | 970 |
| LTC-25iXXLM | 1550 | 1520 | 1520 |
| LTC-25iLVM | 2050 | 2020 | 2020 |

LTC-30i/iL/iXL



| MODEL | A | B | C | D |
|-----------|------|------|------|------|
| LTC-30i | 1240 | 1050 | 1020 | 1000 |
| LTC-30iL | 1740 | 1550 | 1520 | 1500 |
| LTC-30iXL | 2240 | 2050 | 2020 | 2000 |

LTC-30iM/iLM/iXLM



| MODEL | A | B | C | D |
|------------|------|------|------|------|
| LTC-30iM | 1269 | 1050 | 1020 | 980 |
| LTC-30iLM | 1769 | 1550 | 1520 | 1480 |
| LTC-30iXLM | 2269 | 2050 | 2020 | 1980 |

MACHINE SPECIFICATIONS

| ITEM | MODEL | T-8 | T-8M | T-8S | T-8SM |
|---|----------|------------------------|----------------------------------|-----------------------|-----------------------|
| CAPACITY | | | | | |
| Max. swing | mm(in) | 670(26.4) | 637(25.1) | 600(23.6) | 600(23.6) |
| Max. turning diameter | mm(in) | 450(17.7) | STD: 285(11.2) MAX: 325(12.8) | 450(17.7) | 430(16.9) |
| Max. turning length | mm(in) | 760(29.9) | 745(29.3) | 620(24.4) | 620(24.4) |
| Bar capacity | mm(in) | 77(3) | 77(3) | 77(3) | 77(3) |
| TRAVEL | | | | | |
| X-axis travel | mm(in) | 225+25(8.9+1) | 225+15(8.9+0.6) | 225+20(8.9+0.8) | 215+15(8.5+0.6) |
| Z-axis travel | mm(in) | 790(31.1) | 790(31.1) | 670(26.4) | 680(26.8) |
| Z2-axis travel | mm(in) | --- | --- | 740(29.1) | 740(29.1) |
| SPINDLE(MAIN) | | | | | |
| Spindle speed | rpm | 35-3500 | 35-3500 | 35-3500 | 35-3500 |
| Chuck size | in | 10" | 10" | 10" | 10" |
| Type of spindle nose | | A2-8 | A2-8 | A2-8 | A2-8 |
| Spindle motor type | Fanuc | αP30i | αP30i | αP30i | αP30i |
| Spindle motor power (cont./30min) | kw(hp) | 15/18.5(20/24.8) | 15/18.5(20/24.8) | 15/18.5(20/24.8) | 15/18.5(20/24.8) |
| SPINDLE(SUB) | | | | | |
| Spindle speed | rpm | --- | --- | 45-4500 | 45-4500 |
| Chuck size | in | --- | --- | 6.5" | 6.5" |
| Type of spindle nose | | --- | --- | A2-5 | A2-5 |
| Spindle motor type | Fanuc | --- | --- | α8i | α8i |
| Spindle motor power (cont./30min) | kw(hp) | --- | --- | 7.5/11(10/14.7) | 7.5/11(10/14.7) |
| TURRET | | | | | |
| Number of tool stations | pcs | 12 | 12 | 12 | 12 |
| Shank height for square tool | mm(in) | 25(1) | 25(1) | 25(1) | 25(1) |
| Shank diameter for boring bar | mm(in) | 40(1.5) | 40(1.5) | 40(1.5) | 40(1.5) |
| Rotary tool spindle speed range: axis units | rpm | --- | 5000 | --- | 5000 |
| Rotary tool spindle speed range: radial units | rpm | --- | 5000 | --- | 5000 |
| Rotary tool motor power (cont./30min) | kw(hp) | --- | 3.5/5.5(5/7.4) | --- | 3.7/5.5(5/7.4) |
| FEED RATE | | | | | |
| X/Z/Z2-axis rapid traverse | m/mm(in) | 20/24/---(788/945/---) | 20/24/---(788/945/---) | 20/24/15(788/945/590) | 20/24/15(788/945/590) |
| FEED MOTORS | | | | | |
| X/Z/Z2-axis motor | kw(hp) | 3/4/---(4/5.4/---) | 3/4/---(4/5.4/---) | 3/3/3(4/4/4) | 3/3/3(4/4/4) |
| TAILSTOCK | | | | | |
| Quill diameter | mm(in) | 100(3.9) | 100(3.9) | --- | --- |
| Quill inside taper | M.T | 5 | 5 | --- | --- |
| MACHINE SIZE | | | | | |
| Floor space(L) | mm(in) | 3905(153.7) | 3905(153.7) | 3932(154.8) | 3932(154.8) |
| Floor space(W) | mm(in) | 1930(76) | 1930(76) | 2125(83.7) | 2125(83.7) |
| Floor space(H) | mm(in) | 1980(78) | 1980(78) | 2120(83.5) | 2120(83.5) |
| Machine weight | kg | 6000 | 6200 | 6200 | 6200 |
| Power requirement | KVA | 40 | 45 | 60 | 60 |
| controller | | 0i-TF | 0i-TF | 0i-TF | 0i-TF |

*Available controller: SIEMENS/FAGOR/HEIDENHAIN

MACHINE SPECIFICATIONS

| ITEM | MODEL | T-8XL | T-8XLM |
|---|----------|------------------|----------------------------------|
| CAPACITY | | | |
| Max. swing | mm(in) | 670(26.4) | 637(25.1) |
| Max. turning diameter | mm(in) | 450(17.7) | STD: 285(11.2) MAX: 325(12.8) |
| Max. turning length | mm(in) | 1020(40.1) | 1005(39.5) |
| Bar capacity | mm(in) | 77(3) | 77(3) |
| TRAVEL | | | |
| X-axis travel | mm(in) | 225+25(8.9+1) | 225+15(8.9+0.6) |
| Z-axis travel | mm(in) | 1050(41.3) | 1050(41.3) |
| SPINDLE(MAIN) | | | |
| Spindle speed | rpm | 35-3500 | 35-3500 |
| Chuck size | in | 10" | 10" |
| Type of spindle nose | | A2-8 | A2-8 |
| Spindle motor type | Fanuc | αP30i | αP30i |
| Spindle motor power (cont./30min) | kw(hp) | 15/18.5(20/24.8) | 15/18.5(20/24.8) |
| SPINDLE(SUB) | | | |
| Spindle speed | rpm | --- | --- |
| Chuck size | in | --- | --- |
| Type of spindle nose | | --- | --- |
| Spindle motor type | Fanuc | --- | --- |
| Spindle motor power (cont./30min) | kw(hp) | --- | --- |
| TURRET | | | |
| Number of tool stations | pcs | 12 | 12 |
| Shank height for square tool | mm(in) | 25(1) | 25(1) |
| Shank diameter for boring bar | mm(in) | 40(1.5) | 40(1.5) |
| Rotary tool spindle speed range: axis units | rpm | --- | 5000 |
| Rotary tool spindle speed range: radial units | rpm | --- | 5000 |
| Rotary tool motor power (cont./30min) | kw(hp) | --- | 3.5/5.5(5/7.4) |
| FEED RATE | | | |
| X/Z-axis rapid traverse | m/mm(in) | 20/24(788/945) | 20/24(788/945) |
| FEED MOTORS | | | |
| X/Z-axis motor | kw(hp) | 3/4(4/5.4) | 3/4(4/5.4) |
| TAILSTOCK | | | |
| Quill diameter | mm(in) | 100(3.9) | 100(3.9) |
| Quill inside taper | M.T | 5 | 5 |
| MACHINE SIZE | | | |
| Floor space(L) | mm(in) | 4155(163.6) | 4155(163.6) |
| Floor space(W) | mm(in) | 1930(76) | 1930(76) |
| Floor space(H) | mm(in) | 1980(78) | 1980(78) |
| Machine weight | kg | 6500 | 6700 |
| Power requirement | KVA | 40 | 45 |
| controller | | 0i-TF | 0i-TF |

*Available controller: SIEMENS/FAGOR/HEIDENHAIN

MACHINE SPECIFICATIONS

| ITEM | MODEL | LTC-25i | LTC-25iL | LTC-25iXXL | LTC-25iLV |
|---|----------|------------------|------------------|------------------|------------------|
| CAPACITY | | | | | |
| Max. swing | mm(in) | 670(26.4) | 670(26.4) | 670(26.4) | 670(26.4) |
| Max. turning diameter | mm(in) | 450(17.7) | 450(17.7) | 450(17.7) | 450(17.7) |
| Max. turning length | mm(in) | 760(29.9) | 1020(40.1) | 1520(59.8) | 2020(79.5) |
| Bar capacity | mm(in) | 77(3) | 77(3) | 77(3) | 77(3) |
| TRAVEL | | | | | |
| X-axis travel | mm(in) | 225+25(8.9+1) | 225+25(8.9+1) | 225+25(8.9+1) | 225+25(8.9+1) |
| Z-axis travel | mm(in) | 790(31.1) | 1050(41.3) | 1550(61) | 2050(80.7) |
| SPINDLE | | | | | |
| Spindle speed | rpm | 35-3500 | 35-3500 | 35-3500 | 35-3500 |
| Chuck size | in | 10" | 10" | 10" | 10" |
| Type of spindle nose | | A2-8 | A2-8 | A2-8 | A2-8 |
| Spindle motor type | Fanuc | aP30i | aP30i | aP30i | aP30i |
| Spindle motor power (cont./30min) | kw(hp) | 15/18.5(20/24.8) | 15/18.5(20/24.8) | 15/18.5(20/24.8) | 15/18.5(20/24.8) |
| TURRET | | | | | |
| Number of tool stations | pcs | 12 | 12 | 12 | 12 |
| Shank height for square tool | mm(in) | 25(1) | 25(1) | 25(1) | 25(1) |
| Shank diameter for boring bar | mm(in) | 40(1.5) | 40(1.5) | 40(1.5) | 40(1.5) |
| Rotary tool spindle speed range: axis units | rpm | --- | --- | --- | --- |
| Rotary tool spindle speed range: radial units | rpm | --- | --- | --- | --- |
| Rotary tool motor power (cont./30min) | kw(hp) | --- | --- | --- | --- |
| FEED RATE | | | | | |
| X/Z-axis rapid traverse | m/mm(in) | 15/20(590/788) | 15/20(590/788) | 15/20(590/788) | 15/20(590/788) |
| FEED MOTORS | | | | | |
| X/Z-axis motor | kw(hp) | 3/4(4/5.4) | 3/4(4/5.4) | 3/4(4/5.4) | 3/4(4/5.4) |
| TAILSTOCK | | | | | |
| Quill diameter | mm(in) | 100(3.9) | 100(3.9) | 100(3.9) | 100(3.9) |
| Quill inside taper | M.T | 5 | 5 | 5 | 5 |
| MACHINE SIZE | | | | | |
| Floor space(L) | mm(in) | 3905(153.7) | 4155(163.6) | 4625(182) | 5355(211) |
| Floor space(W) | mm(in) | 1930(76) | 1930(76) | 1930(76) | 1930(76) |
| Floor space(H) | mm(in) | 1980(78) | 1980(78) | 2140(84.3) | 2140(84.3) |
| Machine weight | kg | 6200 | 6700 | 8100 | 9100 |
| Power requirement | KVA | 40 | 40 | 40 | 40 |
| controller | | 0i-TF | 0i-TF | 0i-TF | 0i-TF |

*Available controller: SIEMENS/FAGOR/HEIDENHAIN

MACHINE SPECIFICATIONS

| ITEM | MODEL | LTC-25iM | LTC-25iLM | LTC-25iXXLM | LTC-25iLVM |
|---|----------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| CAPACITY | | | | | |
| Max. swing | mm(in) | 637(25.1) | 637(25.1) | 637(25.1) | 637(25.1) |
| Max. turning diameter | mm(in) | STD: 285(11.2) MAX: 325(12.8) | STD: 285(11.2) MAX: 325(12.8) | STD: 285(11.2) MAX: 325(12.8) | STD: 285(11.2) MAX: 325(12.8) |
| Max. turning length | mm(in) | 745(29.3) | 1005(39.5) | 1520(59.8) | 2020(79.5) |
| Bar capacity | mm(in) | 77(3) | 77(3) | 77(3) | 77(3) |
| TRAVEL | | | | | |
| X-axis travel | mm(in) | 225+15(8.9+0.6) | 225+15(8.9+0.6) | 225+15(8.9+0.6) | 225+15(8.9+0.6) |
| Z-axis travel | mm(in) | 790(31.1) | 1050(41.3) | 1550(61) | 2050(80.7) |
| SPINDLE | | | | | |
| Spindle speed | rpm | 35-3500 | 35-3500 | 35-3500 | 35-3500 |
| Chuck size | in | 10" | 10" | 10" | 10" |
| Type of spindle nose | | A2-8 | A2-8 | A2-8 | A2-8 |
| Spindle motor type | Fanuc | aP30i | aP30i | aP30i | aP30i |
| Spindle motor power (cont./30min) | kw(hp) | 15/18.5(20/24.8) | 15/18.5(20/24.8) | 15/18.5(20/24.8) | 15/18.5(20/24.8) |
| TURRET | | | | | |
| Number of tool stations | pcs | 12 | 12 | 12 | 12 |
| Shank height for square tool | mm(in) | 25(1) | 25(1) | 25(1) | 25(1) |
| Shank diameter for boring bar | mm(in) | 40(1.5) | 40(1.5) | 40(1.5) | 40(1.5) |
| Rotary tool spindle speed range: axis units | rpm | 5000 | 5000 | 5000 | 5000 |
| Rotary tool spindle speed range: radial units | rpm | 5000 | 5000 | 5000 | 5000 |
| Rotary tool motor power (cont./30min) | kw(hp) | 3.5/5.5(5/7.4) | 3.5/5.5(5/7.4) | 3.5/5.5(5/7.4) | 3.5/5.5(5/7.4) |
| FEED RATE | | | | | |
| X/Z-axis rapid traverse | m/mm(in) | 15/20(590/788) | 15/20(590/788) | 15/20(590/788) | 15/20(590/788) |
| FEED MOTORS | | | | | |
| X/Z-axis motor | kw(hp) | 3/4(4/5.4) | 3/4(4/5.4) | 3/4(4/5.4) | 3/4(4/5.4) |
| TAILSTOCK | | | | | |
| Quill diameter | mm(in) | 100(3.9) | 100(3.9) | 100(3.9) | 100(3.9) |
| Quill inside taper | M.T | 5 | 5 | 5 | 5 |
| MACHINE SIZE | | | | | |
| Floor space(L) | mm(in) | 3905(153.7) | 4155(163.6) | 4625(182) | 5355(211) |
| Floor space(W) | mm(in) | 1930(76) | 1930(76) | 1930(76) | 1930(76) |
| Floor space(H) | mm(in) | 1980(78) | 1980(78) | 2140(84.3) | 2140(84.3) |
| Machine weight | kg | 6200 | 6700 | 8100 | 9100 |
| Power requirement | KVA | 45 | 45 | 45 | 45 |
| controller | | 0i-TF | 0i-TF | 0i-TF | 0i-TF |

*Available controller: SIEMENS/FAGOR/HEIDENHAIN

MACHINE SPECIFICATIONS

| ITEM | MODEL | LTC-30i/iL/iXL | LTC-30iM/iLM/iXLM |
|---|----------|-----------------------------------|-----------------------------------|
| CAPACITY | | | |
| Max. swing | mm(in) | 750(29.5) | 750(29.5) |
| Max. turning diameter | mm(in) | 550(21.6) | 370(14.5) |
| Max. turning length | mm(in) | 1000/1500/2000(39.4/59/78.7) | 980/1480/1980(38.6/58.3/78) |
| Bar capacity | mm(in) | 103(4) | 103(4) |
| TRAVEL | | | |
| X-axis travel | mm(in) | 275+20(10.8+0.8) | 275+15(10.8+0.6) |
| Z-axis travel | mm(in) | 1050/1550/2050(41.3/61/80.7) | 1050/1550/2050(41.3/61/80.7) |
| SPINDLE | | | |
| Spindle speed | rpm | 35-2500 | 35-2500 |
| Chuck size | in | 12" | 12" |
| Type of spindle nose | | A2-11 | A2-11 |
| Spindle motor type | Fanuc | aP40i | aP40i |
| Spindle motor power (cont./30min) | kw(hp) | 18.5/22(24.8/29.5) | 18.5/22(24.8/29.5) |
| TURRET | | | |
| Number of tool stations | pcs | 10 | 12 |
| Shank height for square tool | mm(in) | 32(1.2) | 32(1.2) |
| Shank diameter for boring bar | mm(in) | 50(2) | 50(2) |
| Rotary tool spindle speed range: axis units | rpm | --- | 5000 |
| Rotary tool spindle speed range: radial units | rpm | --- | 5000 |
| Rotary tool motor power (cont./30min) | kw(hp) | --- | 5.5/7.5(7.4/10) |
| FEED RATE | | | |
| X/Z-axis rapid traverse | m/mm(in) | 15/20(590/788) | 15/20(590/788) |
| FEED MOTORS | | | |
| X/Z-axis motor | kw(hp) | 3/4(4/5.4) | 3/4(4/5.4) |
| TAILSTOCK | | | |
| Quill diameter | mm(in) | 100(3.9) | 100(3.9) |
| Quill inside taper | M.T | 5 | 5 |
| MACHINE SIZE | | | |
| Floor space(L) | mm(in) | 4190/4690/5190(164.9/184.6/204.3) | 4190/4690/5190(164.9/184.6/204.3) |
| Floor space(W) | mm(in) | 1980(78) | 1980(78) |
| Floor space(H) | mm(in) | 2165(85.2) | 2165(85.2) |
| Machine weight | kg | 6700/7700/8700 | 6700/7700/8700 |
| Power requirement | KVA | 45 | 55 |
| controller | | Oi-TF | Oi-TF |

*Available controller: SIEMENS/FAGOR/HEIDENHAIN

MACHINE ACCESSORIES

| ITEM | MODEL | T-8 | T-8M | T-8S | T-8SM | T-8XL | T-8XLM |
|---------------------------------|-------|-----|------|------|-------|-------|--------|
| Metric disc | | ● | X | X | X | ● | X |
| Manual tailstock | | ● | ● | X | X | ● | ● |
| Buzzer | | ● | ● | ● | ● | ● | ● |
| Three layers warning light | | ● | ● | ● | ● | ● | ● |
| Heat exchanger | | ● | ● | ● | ● | ● | ● |
| Full enclosed splash guard | | ● | ● | ● | ● | ● | ● |
| 3 jaw open center chuck | | ● | ● | ● | ● | ● | ● |
| Foot switch | | ● | ● | ● | ● | ● | ● |
| Wide angle V-belt | | ● | ● | ● | ● | ● | ● |
| Inch disc | | ■ | X | X | X | ■ | X |
| VDI disc | | ■ | ● | X | X | ■ | ● |
| Tool setter | | ■ | ■ | ■ | ■ | ■ | ■ |
| Programmable tailstock | | ■ | ■ | X | X | ■ | ■ |
| Manual steady rest | | ■ | ■ | X | X | ■ | ■ |
| Air conditioner | | ■ | ■ | ■ | ■ | ■ | ■ |
| Bar feeder | | ■ | ■ | ■ | ■ | ■ | ■ |
| Spindle air outer blow | | ■ | ■ | ■ | ■ | ■ | ■ |
| High pressure pump 4bar | | ■ | ■ | ■ | ■ | ■ | ■ |
| Chip conveyor and bucket | | ■ | ■ | ■ | ■ | ■ | ■ |
| Two speed gearbox | | ■ | ■ | ■ | ■ | ■ | ■ |
| Collet chuck | | ■ | ■ | ■ | ■ | ■ | ■ |
| Oil mist collector | | ■ | ■ | ■ | ■ | ■ | ■ |
| Oil skimmer | | ■ | ■ | ■ | ■ | ■ | ■ |
| H.T.D belt | | ■ | ■ | ■ | ■ | ■ | ■ |
| Auto steady rest with hydraulic | | ■ | ■ | X | X | ■ | ■ |
| Automatic workpiece measurement | | ■ | ■ | ■ | ■ | ■ | ■ |
| Auto door | | ■ | ■ | ■ | ■ | ■ | ■ |
| Robot | | ■ | ■ | ■ | ■ | ■ | ■ |
| Spindle air inner blow | | ■ | ■ | ■ | ■ | ■ | ■ |
| 3 jaw close center chuck | | ■ | ■ | ■ | ■ | ■ | ■ |
| BMT disc | | X | ■ | ● | ● | X | ■ |

● : STD / ■ : O.P.T(DESIGNED) / X : N/A(NOT AVAILABLE)