

Product Brochure For L645D

Heavy Duty Centre Lathe - BIG BORE - TM-33130HDX

Ø860 x 3310mm Turning Capacity - Ø158mm Spindle Bore

Larger models available on request

On Sale

Ex GST

Inc GST

\$85,950.00

\$94,545.00

\$82,950.00

\$91,245.00



| | |
|---|--------------------|
| ORDER CODE: | L645D |
| MODEL: | TM-33130HDX |
| Swing Over Bed (mm): | 860 |
| Distance Between Centres (mm): | 3310 |
| Spindle Bore (mm): | 158 (Optional 238) |
| Swing In Gap (mm): | 1000 |
| Swing Over Cross-slide (mm): | 620 |
| Digital Readout System Fitted: | Yes |
| Quick Change Toolpost Fitted: | Optional |
| Leadscrew Covers Fitted: | ~ |
| Taper Turning Attachment: | Optional |
| Coolant System: | Yes |
| Tool Height To Suit (mm): | 32 |
| Centre Height (mm): | 430 |
| Spindle Nose Size or Type: | A2-11 |
| Bed Width (mm): | 510 |
| Headstock Spindle Taper (MT): | 7 |
| Tailstock Taper (MT): | 6 |
| Cross Slide Travel (mm): | 480 |
| Compound Slide Travel (mm): | 330 |
| Leadscrew Type: | Metric |
| Metric Cross Feed (X-Axis) (mm/rev): | 0.025 - 0.35 |
| Imperial Cross Feed (X-Axis) (inch/rev): | ~ |
| Metric Longitudinal Feed (Z-Axis) (mm/rev): | 0.05 - 0.7 |
| Imperial Longitudinal Feed (Z-Axis) (inch/rev): | ~ |
| Metric Thread Steps & Pitch (No. / mm): | 37 (0.8 - 14) |
| Imperial Thread Steps & TPI (No. / TPI): | 36 (2 - 28) |
| 3 Jaw Chuck Diameter (mm): | 400 |
| 4 Jaw Chuck Diameter (mm): | 500 |
| Spindle Steps / Speeds (No. / rpm): | 12 (8 - 680) |
| Motor Power (kW / hp): | 15 / 20 |
| Voltage / Amperage (V / amp): | 415 |
| Nett Weight (kg): | 6800 |



Description

The TM-33130HDX Industrial quality centre lathe is manufactured in Taiwan to a stringent precision engineering high tolerance & superior excellence to cope with the big & heavy jobs. This lathe has a 158mm big bore, 860mm turning capacity with 1000mm in the gap, a massive 510mm wide 3V induction hardened & ground bed-way to cope with all the heavy workloads.

One of the most forgotten & important feature in a quality lathe is the spindle bore support bearings & generally not mentioned or overlooked because they are hidden well within the headstock of the lathe. Not in this case as the TM-33130HDX is equipped with 3 x German quality SKF bearings offering excellent spindle support to handle extreme cutting loads to produce accurate work.

Another reliable feature in this range of precision lathes is the manufacturing process of the bed-ways, it is made up from the highest quality Meehanite® cast iron. The key to the undisputed success of Meehanite® metals is the rigid application of its patented manufacturing process to provide ultimate strength & durability performance.

To sum up this massive centre lathe although huge in every way possible in size & capacity, it is still built to the same high precision quality & ultra-tight tolerances as all the other TM models and importantly will deliver many years of valuable & reliable service.

Please Note:

This lathe can be special custom-built to order allowing you to select (and pay for) only the accessories you need:

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Bores available 158 or 238mm
 Swing available - 860, 960 & 1060mm
 Centres available - 1810, 2310, 3310, 4310, 5310, 6310, 7310 & 8310mm

Features

- 2 Axis digital readout system
- Triple SKF German made bearings supporting headstock spindle
- Adjustable taper roller bearings providing spindle accuracy
- Precision '3V'-bed-way is induction hardened & ground
- High quality one-piece Meehanite cast base increases rigidity
- All gears and shafts made from alloy steel and are hardened & ground
- Overload protection on drive motor and coolant system
- Universal enclosed gearbox incorporating metric & imperial thread capabilities
- X & Z axis rapid traverse on the saddle @ 4.0m/min
- 510mm wide induction hardened heavy duty cast iron bed
- Adjustable 4 position length-stop mechanism for accurate repetitive operation
- Removable gap bed allowing work piece to swing up to 1000mm
- Powered longitudinal and cross feeds
- One piece cast iron base increases rigidity
- Metric calibrated dials
- 2 speed tailstock geared for large and small drilling bits
- Coolant system with flexible hose enabling operator to manipulate flow direction
- Lubrication pump on saddle oiling slides
- Oil sight glass for head stock and gearbox & apron
- Low voltage halogen work light
- Ball bearing mechanism assists tail stock movement easily
- A2-11 direct spindle mount
- 12 spindle speeds 8-680rpm
- Large 158mm spindle bore, (Optional 238mm)
- 15kW / 20HP 415V main motor

Includes

- 2 Axis digital readout system
- 400mm 3-jaw chuck with reversing jaws
- 500mm 4-jaw chuck
- Faceplate
- Fixed and travelling steadies with roller fingers
- Dead centres
- Spindle reducing bush
- Full length rear splash guard
- Tailstock moving device

Specific Features



Right View



Left View



Digital Read Out



Spindle Speed Selectors

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Thread Charts



Spindle Speeds



Universal Enclosed Gearbox



Safety Chuck Guard



Fixed & Travelling Steadies



Removeable Gap Bed



Saddle Left View



Saddle Front View



Saddle Right View



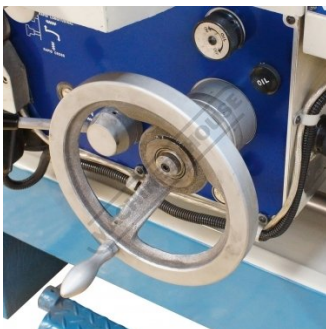
Compound Slide



Saddle Control



Saddle Switch Board



Saddle Hand Wheel



Thread Chasing Dial

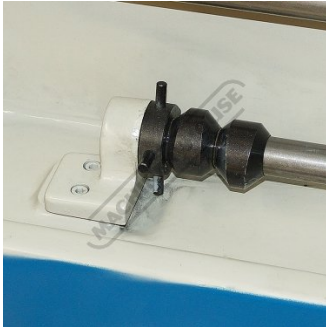


Saddle Feed Controls



Leadscrew and Feedscrew Support Recovered

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Longitudinal Feed Knockout System



Compound Slide Hand Wheel



Cross Slide Hand Wheel



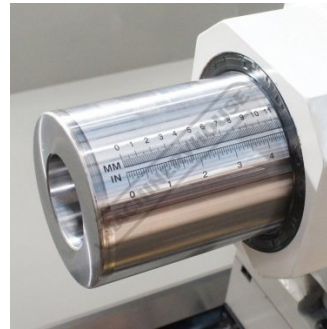
Swivel Compound Slide



Tailstock



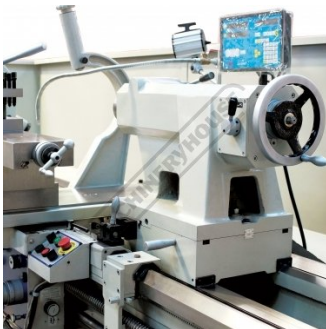
Tailstock 2 Speed



Tailstock Quill



Tailstock Rear View



Tailstock Moving Device Rear View



Meehanite Casting V Bed



Tailstock Moving Device Locked Position



Foot Brake

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Recommended Accessories

L298
 Quick Change Toolpost



D1272
 Metric 135° Precision HSS Drill Set - 25 Piece



D1282
 Imperial 135° Precision HSS Drill Set - 29 Piece



D126
 Metric 135° Precision HSS Drill Set - 170 Pieces



D119
 Metric 2MT HSS Drill Set



C290
 Heavy Duty Drill Chuck - Keyed Type



C294
 Industrial Drill Chuck - Keyless Type



D454A
 4MT x JT3 Drill Chuck Arbor



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D425
 Drill Sleeve - Morse Taper



D424
 Drill Sleeve - Morse Taper



D422
 Drill Sleeve - Morse Taper



S090A
 Soluble Metal Cutting Fluid - 1
 Litre



S090
 Soluble Metal Cutting Fluid - 5
 Litre



S076
 Cutting Tool Lubricant Fluid -
 500ml



S077
 Drilling, Tapping & Cutting Tool
 Lubricant Spray - 400g



S075
 Cutting Tool Lubricant Paste -
 200g



S074
 Cutting Tool Lubricant Paste -
 500g



S091
 Soluble Metal Cutting Fluid - 20
 Litre



A358
 Sky Hook Lifting Device



A358A
 Chuck Hook



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L300
 Magnetic Swarf Remover



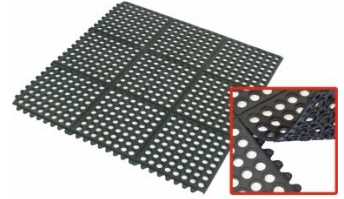
M9991
 Magnetic Floor Sweeper



M800
 Rubber Mat - Anti-Fatigue



M805
 Rubber Mat - Anti-Fatigue



O000
 SpillFix Universal Organic Absorbent



O043
 Rust & Corrosion Preventive



O042
 General Purpose Lubricant & Corrosion Inhibitor



O040
 Rust & Corrosion Preventive



O044
 Rust & Corrosion Preventive

