



**Model #
3105S**



**CNC Slantbed
Horizontal Lathe Machine**

| | DESCRIPTION | UNIT | 3015S | 3015M | 3015L | 3015XL |
|------------|---|--------|------------------------------------|--|--------------------------|-------------------|
| CAPACITY | Swing over bed | mm | Φ740 Φ656 Φ500 708[1,288] | Φ740 | Φ740 Φ656 Φ300 | 660[1,225] |
| | Max, Rotational dia | | | Φ656 | | |
| | Max. turning diameter | | | BMT55:Φ530 BMT65:Φ480 | | |
| | Max. turning length | | | BMT55:654 [1,235] BMT65:658 [1,238] | | |
| | Bar working diameter | | | Φ74 | | |
| Travel | Travel Distance | X-axis | mm | 260 | 215 730[1,350] ±55 | ±56 730[1,350] |
| | | Z-axis | | - | | |
| | | Y-axis | | - | | |
| | | B-axis | | - | | |
| | Rapid traverse | X-axis | m/min (ipm) | 24 30 | 10 | 24 |
| Feed rates | | Z-axis | | | | |
| | | Y-axis | | - | | |
| | | B-axis | | - | | |
| | | | | | | |
| Spindle | Spindle speed (Belt Type) [optional : Built in | r/min | 2,800 12inch chuck A2-8 | 3,000 10inch chuck A2-8 | Φ91 | 24 |
| | Spindle nose | | | | | |
| | Spindle through hole diameter | mm | | | | |

| | | | | | | |
|--------------|--|--------|---------------------------------|--------------|------------------------------------|---------|
| | Min. spindle indexing angle(C-axis) | deg | - | 0.001 | | |
| Turret | No. of tool stations | st | 12 | 12/ BMT55/65 | | |
| | OD tool size | mm | | 25 | | |
| | Boring bar diameter | | 50 | 40 | | |
| | Indexing time(1st swivel time) | s | | 0.2 | | |
| | Rotary tool spindle speed | r/min | - | 4,000 | | |
| Tail stock | Quill diameter | mm | | Φ100 | | |
| | Quill bore taper(Live) | | | MT5 | | |
| | Tailstock Bushing Travel | mm | | 120 | | |
| Sub-spindle | Spindle speed (Belt) [optional : Built in] | r/min | - | 4,500 | | |
| | Spindle nose | | - | A2-5 | | |
| | Spindle bearing diameter(Front) | mm | - | 90 | | |
| | Spindle through hole diameter | | - | 56 | | |
| | Min. spindle indexing angle (C-axis) | deg | - | 0.001 | | |
| Motor | Main spindle motor | | 15/18.5 | | | |
| | Sub spindle motor | kW(Hp) | | 15.5/13.2 | | |
| | Collant Motor Power | | 0.4 | | | |
| Power source | Electric power supply (Rated capacity) | kVA | 30 | 35 | 35 > 50 | 35 > 50 |
| Machine size | Machine height | mm | 1,755 | | 2015 | |
| | Machine dimension | | L= 3,284 / 4,359 W= 1,817/1,879 | | L= 3,413 / 4,359. W= 1,860 / 1,900 | |
| | Machine weight | KG(lb) | 5,800[7,000] | 6,200(7,300) | 6,500(7,600) | |



End Mill



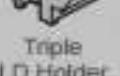
Center Drill

Drill

Reamer

Milling Collet

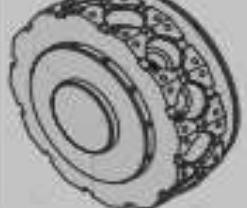
Straight Mill Holder



Triple I.D. Holder



Double O.D. Holder

 24P INDEX & OPTION**BMT 55P
12 Stations**

(24 POSITION INDEX)

Double I.D. Holder

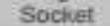


O.D. Holder



Double O.D. Holder

Boring Bar Socket



Boring Bar



Face Tool



Facing Holder



Cutting Holder



O.D. Tool

ITEM

Y Type (12P)

Y Type (24P : Opt.)

mm Unit

inch Unit

mm Unit

inch Unit

| | | | | | | |
|----------------|----------------------|--------------------|---|---|---|---|
| Turning Holder | O.D Holder | Right/Left | 4 | 4 | 3 | 3 |
| | | Double | - | - | - | - |
| | | Double (24P, Main) | - | - | 1 | 1 |
| | | Double (24P, Sub) | - | - | - | - |
| | Facing Holder | | 1 | 1 | 1 | 1 |
| | Cutting Holder | | - | - | - | - |
| Boring Holder | I.D Holder | Single | 3 | 3 | 2 | 2 |
| | | Double | - | - | - | - |
| | | Triple | - | - | 1 | 1 |
| | U-Drill Holder | Cap | 1 | 1 | 1 | 1 |
| Driven Holder | Straight Mill Holder | Standard | 2 | 2 | 2 | 2 |
| | Angular Mill Holder | Standard | 2 | 2 | 2 | 2 |
| Socket | Boring | Ø10 (Ø3/8") | - | - | - | - |
| | | Ø12 (Ø1/2") | - | - | - | - |
| | | Ø16 (Ø5/8") | - | - | - | - |
| | | Ø20 (Ø3/4") | - | - | - | - |
| | | Ø25 (Ø1") | - | - | - | - |
| | | Ø32 (Ø1 1/4") | - | - | - | - |
| | | Ø8 (5/16") | - | - | - | - |
| | | Ø12 (Ø1/2") | - | - | - | - |

| | | | | | |
|-------------|------------|------|------|------|------|
| Sub Boring | Ø12 (1/2") | - | - | - | - |
| | Ø16 (5/8") | - | - | - | - |
| Drill | MT 2 | - | - | - | - |
| | MT 3 | - | - | - | - |
| | MT 4 | - | - | - | - |
| ER Collet | | - | - | - | - |
| Adapter Set | | Opt. | Opt. | Opt. | Opt. |



Model #
3105S

CNC Slantbed
Horizontal Lathe Machine

| | DESCRIPTION | UNIT | 3605S | 3015M | 3015L | 3015XL |
|----------|-----------------------|--------|------------------|-----------------|--------------------|-----------------|
| CAPACITY | Swing over bed | mm | | | Ø940 | |
| | Max. Rotational dia | | | Ø855 | | Ø870 |
| | Max. turning diameter | | Ø540 | Ø520 | | Ø420 |
| | Max. turning length | | 1342 [2120/3120] | 1265[2070/3070] | | 1225[2020/3020] |
| | Bar working diameter | | | | Ø119 | |
| Travel | Travel Distance | X-axis | mm | 295 | | 265 |
| | | Z-axis | | | 1,350[2,150/3,150] | |
| | | Y-axis | | - | - | ±60 |
| | | B-axis | | - | - | 1350[2150/3150] |
| | Rapid traverse | X-axis | | | 24 | |
| | | Z-axis | m/min | | 30 | |

| | | | | | | | |
|--------------|--|-----------------|---------------------|--------------------------|---------------------|--------------------|----------------------|
| Feed rates | Rapid traverse | Y-axis (ipm) | - | - | - | 10 | |
| | B-axis | | - | - | - | | 24 |
| Spindle | Spindle speed (Dent type) [optional : Built in] | r/min | 2,000 | | | 2,500 | |
| | Spindle nose | | 15inch chuck A2-11 | | | 12inch chuck A2-11 | |
| | Spindle through hole diameter | mm | | | Φ131 | | |
| | min. spindle indexing angle(C-axis) | deg | - | | 0.001 | | |
| Turret | No. of tool stations | st | 12 | 12/ BMT75 | | 12/BMT65 | |
| | OD tool size | mm | 25 | 32 | | 25 | |
| | Boring bar diameter | | 50 | | | 40 | |
| | Indexing time(1st swivel time) | s | | 0.2 | | | |
| | Rotary tool spindle speed | r/min | - | | 4,000 | | |
| Tail stock | Quill diameter | mm | | Φ100 | | | |
| | Quill bore taper(Live) | | | MT5 | | | |
| | Tailstock Bushing Travel | mm | | 120 | | | |
| Sub-spindle | Spindle speed (Dent type) [optional : Built in] | r/min | | - | | 4,500 | |
| | Spindle nose | | | - | | A2-5 | |
| | Spindle bearing diameter(Front) | mm | | - | | 90 | |
| | Spindle through hole diameter | | | - | | 56 | |
| | min. spindle indexing angle (C-axis) | deg | - | | 0.001 | | |
| Motor | Main spindle motor | | | 15/18.5 | | | |
| | Sub spindle motor | kW(Hp) | | | | 15.5/13.2 | |
| | Collant Motor Power | | | 0.4 | | | |
| Power source | Electric power supply | kVA | 35 | 35 | 35 | | 40 |
| Machine size | Machine height | mm | 1,857 | | | 2,057 | |
| | Machine dimension | | | L= 4,195/ 5,365 W= 1,978 | | | |
| | Machine weight | KG(lb) | 7,200[8,500/10,000] | | 7,400(8,700/10,500) | | 8,400(9,7600/11,500) |



Tap



U-Drill Cap



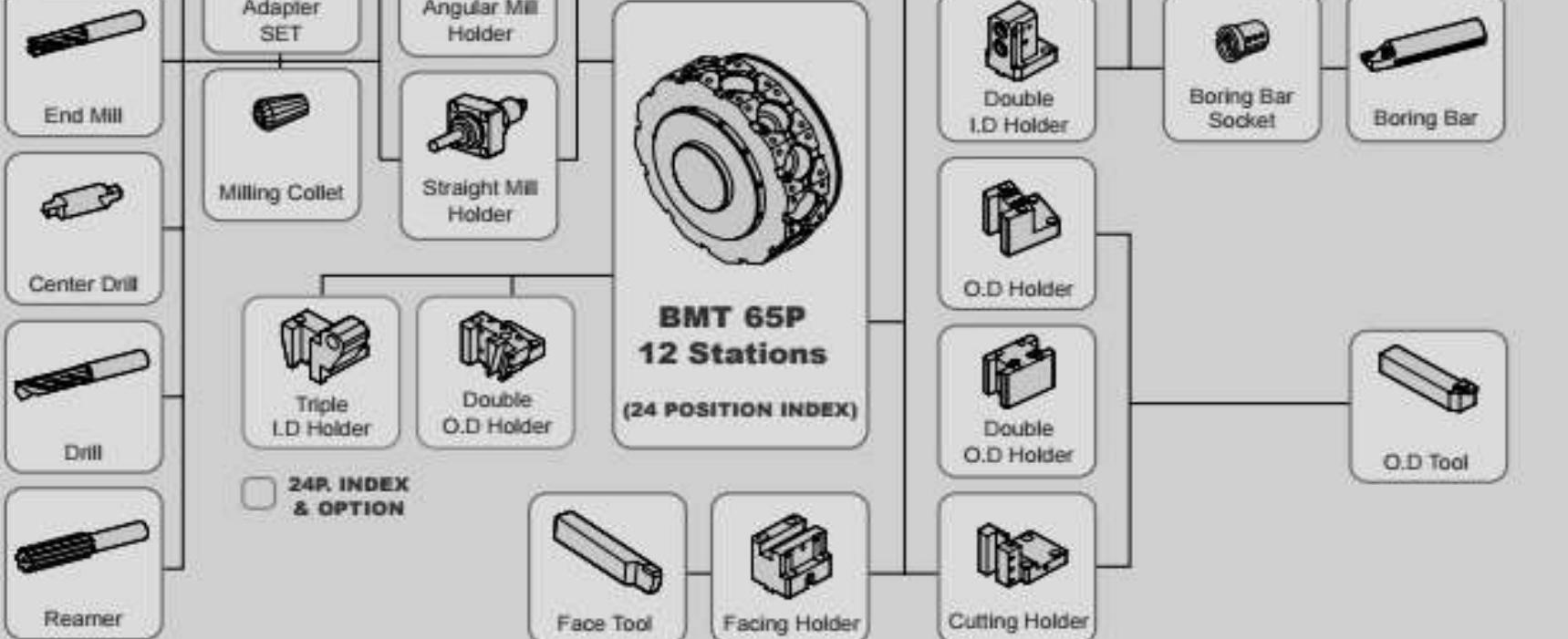
I.D. Holder



Drill Socket



Drill



| ITEM | | SY Type (12P) | | SY Type(24P : Opt.) | |
|----------------|----------------------|--------------------|-----------|---------------------|-----------|
| | | mm Unit | Inch Unit | mm Unit | Inch Unit |
| Turning Holder | O.D Holder | Right/Left | 3 | 3 | 3 |
| | | Double | 1 | 1 | - |
| | | Double (24P, Main) | - | - | 1 |
| | | Double (24P, Sub) | - | - | 1 |
| | Facing Holder | | 1 | 1 | - |
| | Cutting Holder | | - | - | - |
| Boring Holder | I.D Holder | Single | 3 | 3 | 2 |
| | | Double | 1 | 1 | - |
| | | Triple | - | - | 1 |
| | U-Drill Holder | Cap | - | - | - |
| Driven Holder | Straight Mill Holder | Standard | 2 | 2 | 2 |
| | Angular Mill Holder | Standard | 2 | 2 | 2 |
| Boring | Boring | Ø10 (Ø3/8") | - | - | - |
| | | Ø12 (Ø1/2") | - | - | - |
| | | Ø16 (Ø5/8") | - | - | - |
| | | Ø20 (Ø3/4") | - | - | - |
| | | Ø25 (Ø1") | - | - | - |

| | | | | | |
|--------|---------------|------|------|------|------|
| Socket | Ø25 (Ø1 1/2") | - | - | - | - |
| | Ø8 (5/16") | - | - | - | - |
| | Ø12 (1/2") | - | - | - | - |
| | Ø16 (5/8") | - | - | - | - |
| | Drill | MT 2 | - | - | - |
| | | MT 3 | - | - | - |
| | | MT 4 | - | - | - |
| | ER Collet | | | | |
| | Adapter Set | | Opt. | Opt. | Opt. |





