



Excellence in Metal Cutting

# ARYA SERIES

CNC Turning Center



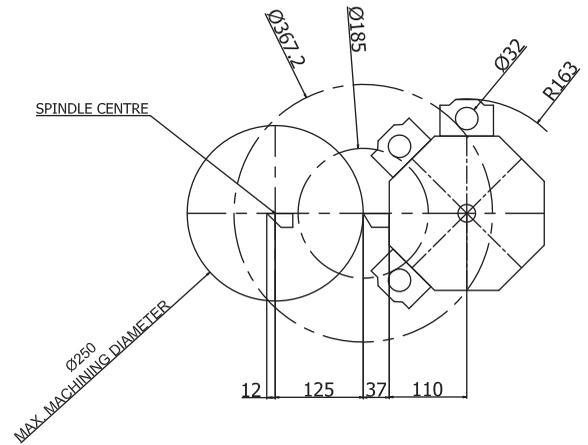
**YANTRANG CNC**  
AUTOMATION PVT. LTD.

## TECHNICAL SPECIFICATION

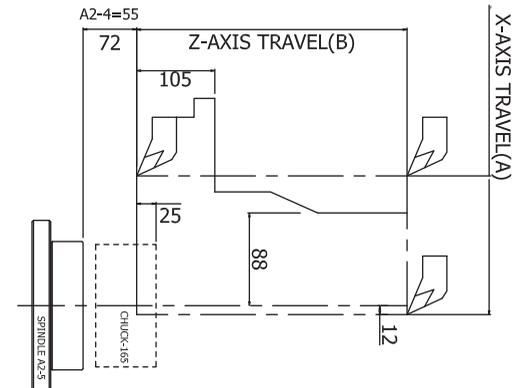
CAPACITY	135	165
SWING OVER BED	350	350
MAXIMUM TURNING LENGTH	285	275
MAXIMUM DIA. BETWEEN CENTER	165	165
DISTANCE BETWEEN CENTER	300	300
STANDARD TURNING DIA.	165	200
CHUCK SIZE (Optional)	135 / 165	165 / 200
MAX. TURNING DIA.	250	250
X-AXIS TRAVEL (A)	150	165
Z-AXIS TRAVEL (B)	300	300
RAPID TRAVERSE	24	24
AXIS		
X - Z AXIS LM	35	35
Z AXIS BALL SCREW	32 x 10	32 x 10
MOTOR TORQUE (Z axis)	6NM	6NM
X ASIX BALL SCREW	32 x 10	32 x 10
MOTOR TORQUE (X axis)	6NM	6NM
MAIN SPINDLE		
SPINDLE MOTOR	5.5 / 3.5	5.5 / 7.5
SPINDLE BORE	38	47
SPINDLE NOSE	A2-4	A2-5
MAXIMUM BAR CAPACITY	25	36
SPINDLE SPEED RANGE	50-4000	50-3000
FULL POWER SPEED RANGE	750-3500	750-3500
TOOL		
NUMBER OF STATION	8	8
MAX. BORING BAR DIA.	32	32
TOOL SIZE (CROSS SECTION)	20 x 20	20 x 20
TAIL STOCK		
QUILL DIA.	75	75
QUILL STROCK	100	100
TRUST (ADJ.)	500	500
OTHERS		
POSITIONING ACCURACY (MICRON)	0.010	0.010
REPEATABILITY (MICRON)	0.005	0.005

NOTE : Specification Subject to Change without Prior Notice.

### TOOL INTERFERENCE DIAGRAM

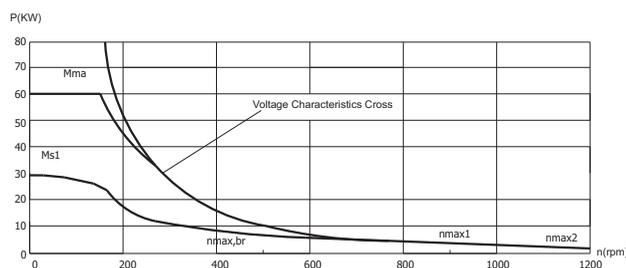
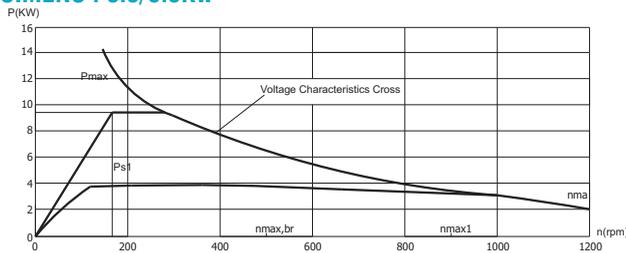


### WORKING RANGE

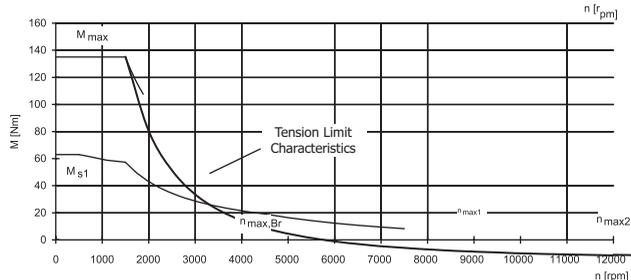
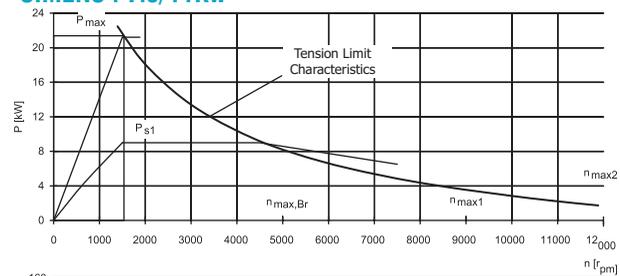


### POWER DIAGRAM

#### SIMENS : 3.5/5.5Kw



#### SIMENS : 7.5/11Kw



# ARYA Series

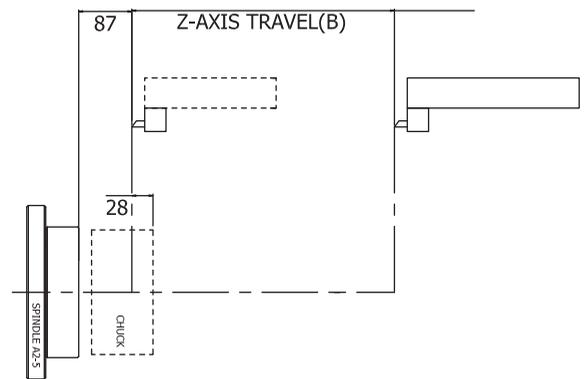
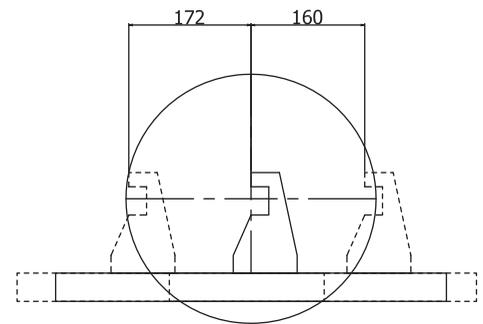
CNC Turning Center



## TECHNICAL SPECIFICATION

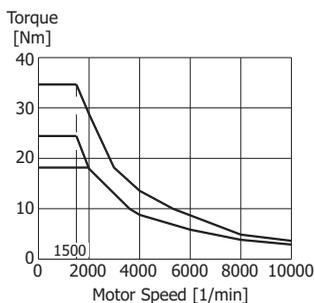
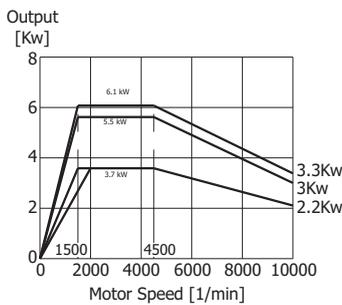
CAPACITY	100/200	150/200
SWING OVER BED	275	275
MAXIMUM TURNING LENGTH	200	200
STANDARD TURNING DIA.	100	100
CHUCK SIZE	135	165
MAX. TURNING DIA.	150	200
X-AXIS TRAVEL	300	300
Z-AXIS TRAVEL (B)	200	200
RAPID TRAVERSE	24M	24M
<b>AXIS</b>		
X - Z AXIS LM	35	35
Z AXIS BALL SCREW	32 x 10	32 x 10
MOTOR TORQUE (Z axis)	6NM	6NM
X ASIX BALL SCREW	32 x 10	32 x 10
MOTOR TORQUE (X axis)	6NM	6NM
<b>MAIN SPINDLE</b>		
SPINDLE MOTOR	5.5 / 3.5	7.5 / 11
SPINDLE BORE	38	47
SPINDLE NOSE	A2-4	A2-5
MAXIMUM BAR CAPACITY	25	36
SPINDLE SPEED RANGE	50-4500	50-3000
FULL POWER SPEED RANGE	750-3500	750-3500
<b>TOOL</b>		
NUMBER OF STATION	8	8
MAX. BORING BAR DIA.	32	32
TOOL SIZE (CROSS SECTION)	20 x 20	25 x 25
<b>OTHERS</b>		
POSITIONING ACCURACY (MICRON)	0.010	0.010
REPEATABILITY (MICRON)	0.005	0.005

NOTE : Specification Subject to Change without Prior Notice.

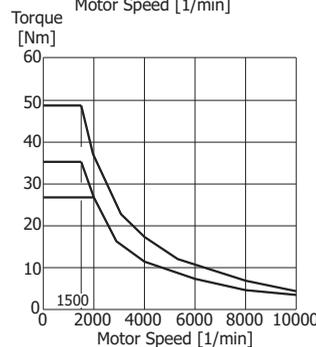
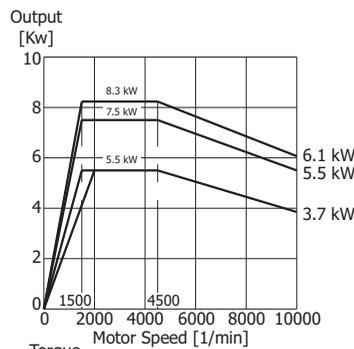


## POWER DIAGRAM

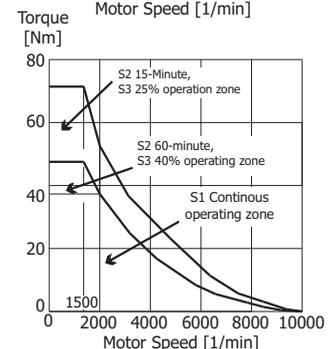
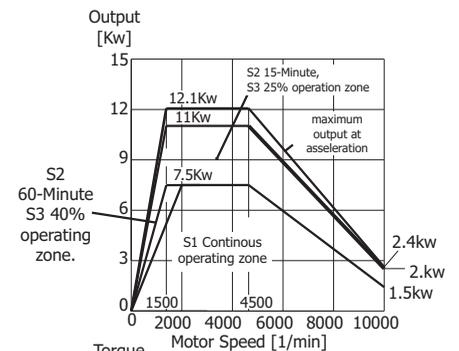
FANUC : 3.5/5.5Kw



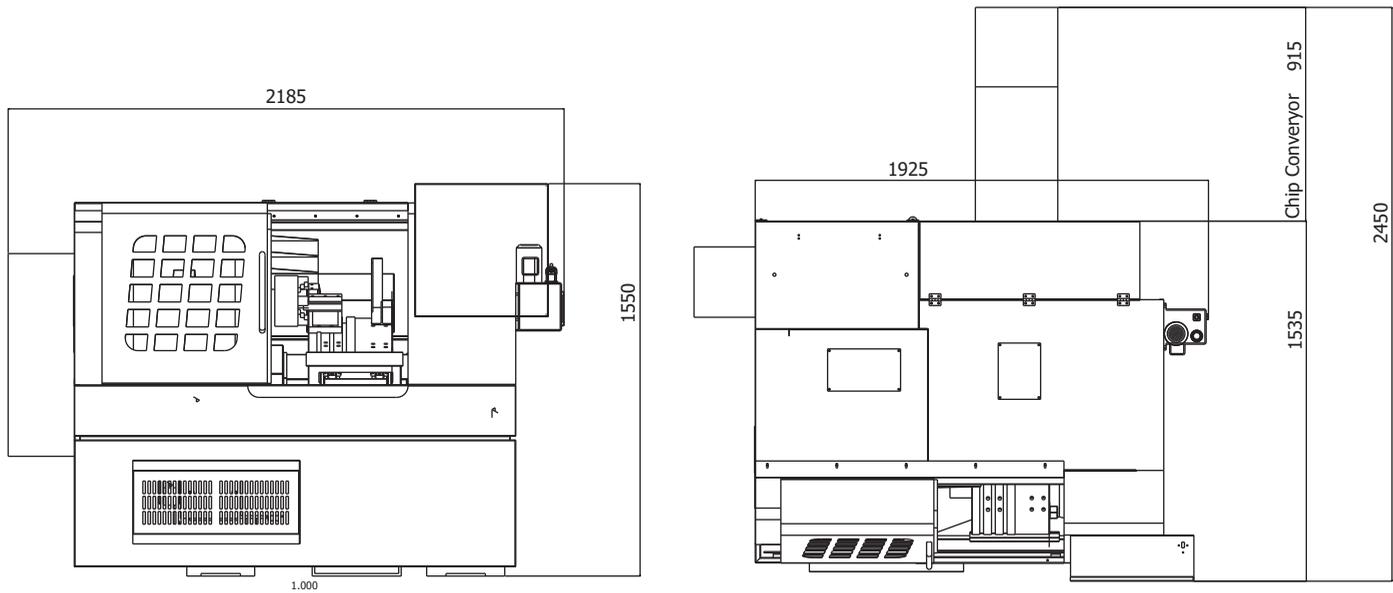
FANUC : 5.5/7.5Kw



FANUC : 7.5/11Kw



## MACHINE DIAGRAM



### CONTROL SYSTEM FEATURES:

- Manual Data Input
- 2 Axis simultaneous
- Part Program Storage and Editing
- Constant Surface Speed Control
- Tool nose radius Compensation
- Feed rate override
- Circular Interpolation
- Threaded Cutting Cycle
- Direct drawing dimensions programming
- Absolute / Incremental programming
- RS-232 serial interface port
- Backlash compensation
- Graphic Simulation
- Electronic hand wheel
- Run hour display
- LCD display
- Self diagnostick
- USB Port

### STANDARD FEATURES :

- LM Guideways
- AC Spindle Drive & Servo Drive
- Hydraulic Chuck with Actuating cylinder
- Hydraulic Unit, Foot Switch, Coolant System
- Centralized Lubrication System
- Electrical Quality Device
- Boring holder & Axial holder

### OPTIONAL :

- Chip Conveyor
- Bar Feeder
- Bar Puller
- Hydraulic Turret
- Stabilizer
- Auto Door

