



## **CAMPRO NT-208Y TURNING CENTER**

- The NT-208Y is Campro's highly flexible and profitable CNC Turning Center
- High performance heavy duty box guideways, 30 Degree cast iron inclined bed to ensure quick chip evacuation.
- Our NT-208Y series CNC Turning Center is based on a high quality cast iron bed for superior rigidity and anti-vibration characteristics.
- 30 degree cast iron inclined bed ensures quick chip evacuation. The new CPMS (Campro Production Management System) represent the first step in smart manufacturing.

## STANDARD FEATURES:

3-jaw, 8" hydraulic chuck  
Manual tailstock  
Chain type chip conveyor with bucket  
Coolant system  
Oil skimmer  
Tool box  
Instruction manual, parts list, and electrical diagram  
Fanuc operator and maintenance manuals  
WARRANTY-Machine: One Year, Parts  
WARRANTY-Control: Two Years, Parts & Labor

## SPECIFICATIONS:

### WORKING AREA:

Swing over bed	26.74"
Swing over cross slides	16.35"
Maximum turning diameter	15.74"
Maximum turning length	20.47"

### TRAVEL:

X Axis Travel	8.66"
Y Axis Travel	3.93"
Z Axis Travel	24.8"
Rapid Traverse	787 / 393 / 945 IPM

### SPINDLE:

Spindle Motor	15 / 20 HP
Maximum Speed	4,200 RPM
Hydraulic Chuck	8"
Spindle Nose	A2-6
Hole Through Draw Tube	2.05"

### TURRET:

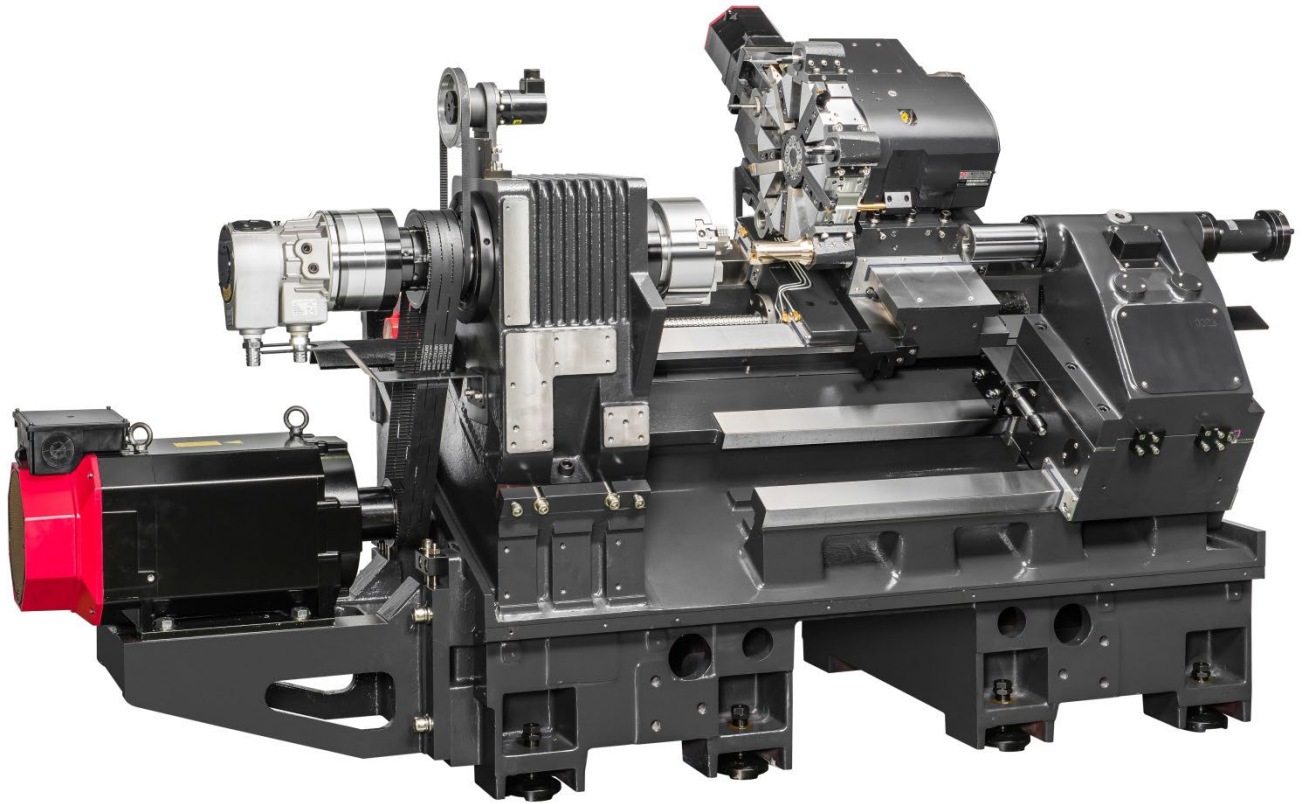
Tooling style	BMT-55
Turret Type	12 – Servo driven
One Axial and one Radial BMT live holder included	

### TAILSTOCK:

Quill Diameter	3.15"
Tailstock Travel	1.81"
Quill Travel	4.72"
Quill Taper	MT - #4

### GENERAL:

Floor Space Required (W X D)	151.14" X 76.77"
Height	70.28"
Machine Weight	9,150 LBS
Standard Power Source	205-235 Volts / 3 Phase / 60HZ
Power Capacity Minimum	57 Amps



### **Control Specifications - Fanuc Oi-TF Plus Control**

10.4" color LCD screen

Color graphics

Simultaneous Controlled Axis

Least input Increment on X and Z is .001 mm

Least command increment on X and Z is .001mm

Inch/Metric Conversion (G20/G21)

Interlock on All Axes Machine Lock on All Axes

Emergency Stop

Stored Stroke Check 1, 2, 3,

Mirror Image

Backlash Compensation

Unexpected disturbance torque detection

Stored pitch compensation

Automatic Operation (Memory)

MDI Operation

Search Function (Sequence, Program)

Program restart

Dry Run

Single Block

Buffer Register

Manual Handle Interrupt

Manual Jog Feed (Rapid, Jog, Handle)

Manual Handle Feed Rate (x1, x10, x100)

Feed Command (F Code Feed Rate Direct Command)

Feed Rate Override 0-200% (10% Unit)

Jog feed 0-5,000 mm/min (197 ipm)

Rapid traverse override (F0, F25%, F50%, F100%)

NT-208Y

## **CONTROL SPECIFICATIONS (CONT'D.):**

Override Cancel  
Rapid Traverse  
Bell-Shaped Acceleration/Deceleration  
Block Skip  
Exact Stop Mode / Exact Stop (G61/G09)  
Dwell (G04)  
Helical Interpolation Threading/Synchronous Feed  
Manual Reference Point Return  
G27 Reference Point Return Check  
G28 1<sup>st</sup> Reference Point Return  
G30 2<sup>nd</sup>, 3<sup>rd</sup>. and 4<sup>th</sup> Reference Point Return  
Program Stop, Optional Stop, End of Program. M00, M01, M02, M30  
Tape Code EIA RS-244/ISO 840 (Automatic Recognition)  
Optional Block Skip (9 ea.)  
Maximum Programmable Dimensions +/- 9999.9999" (+/- 8 digits)  
Program Number O4 Digit  
Absolute and Incremental Command  
Decimal Point Input  
Plane Selection G17. G18. G19  
Work Coordinate System Setting (G52 – G59)  
Work Coordinate Preset  
Additional Work Coordinate System 48 pairs  
Manual Absolute "On" fixed  
Programmable Data Input G10  
Sub Program Call  
4 Levels of Nesting Custom Macro  
#100 to #199 Addition to Custom Macro  
Common Variables #500 to #999  
Circular Interpolation by radius R  
Canned Cycle (G73, G74, G76, G80 ~ G89)  
Optional Chamfering / Corner R  
Skip Function (G31)  
Automatic Coordinate System Setting  
Coordinate System Rotation  
Programmable Mirror Image  
Single direction positioning (G60)  
External Data Input (Tool Offset, message, machine zero-point shift)  
Cylindrical interpolation  
AI Advance Preview Control (G5.1)  
Polar Coordinate Command  
Miscellaneous Function (M3 digits)  
Miscellaneous Function Lock  
Spindle Speed Command (S5 Digits, binary output)  
Spindle Speed Override (50% ~ 120%)  
10% Unit Rigid Tapping  
Cutter Compensation C (G40-G42)  
Tool Length Measurement  
Tool Length Compensation (G43, G44, G49)  
Tool Offset Amount (+/- 6 Digits)  
Tool Offset Pairs (400 Pairs)  
Tool Life Management

## **CONTROL SPECIFICATIONS (CONT'D.):**

Reader/Puncher Interface

RS232C

Memory Card input/output

Embedded Ethernet (100 Mbps)

Part Program Storage Length: 2 MB

Registered Programs 1,000 ea.

Memory Lock

Back Ground Editing

Extended Part Program Editing (Copy, Move, Change of NC Program)

Self-Diagnosis Function

History Display of Alarm and Operator Message

Help Function

Run Hour / Parts Count Display

Actual Cutting Feed Rate Display

Spindle Servo Setting Screen

Multi-language display (Selection of 5 Optional Language)

Erase CRT Screen Display (Screen Saver)

Bi-Direction Pitch Error Compensation

Tool Management Function

Protection of Data at 8-Levels

Tool Monitoring Function (HWTM – Built-on Fanuc Type)

Fanuc Manual Guide i Conversational Programming

Alpha i AC digital servo system with 1,000,000 pulse encoders

Full MDI keyboard

PCMCIA data card slot on left side of LCD for program input / output – up to 2GB storage

Advanced Preview Control (Look ahead of multi-blocks – 20 blocks look ahead)

Automatic Acceleration / Deceleration with Bell Shaped rapid acc/dec

3 axes simultaneous control std. (4 axis opt.)

Scaling

Custom Macro B

High speed skip signal

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