



CAMPRO NT-208SY

- The NT-208SY 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-208SY 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.

NT-208SY

STANDARD FEATURES:

3-jaw, 8" hydraulic chuck
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	26.7"
Swing over cross slides	18.1"
Maximum turning diameter	15.7"
Maximum turning length	20.4"

TRAVEL:

X Axis Travel	8.6"
Y Axis Travel	3.9"
Z Axis Travel	24.8"
Rapid Traverse	787 / 393 / 945 IPM

SPINDLE:

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

TURRET:

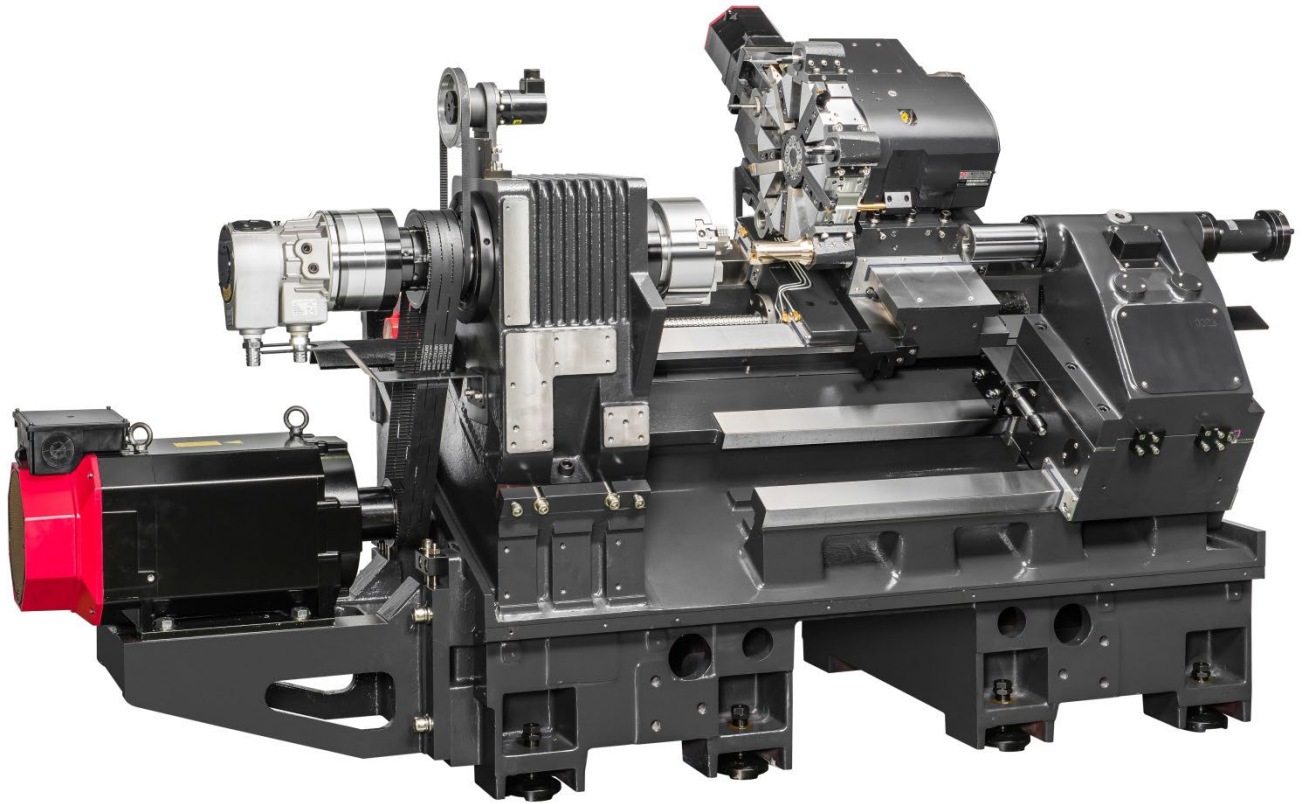
Tooling style	BMT-55
Turret Type	12 – Servo driven
Tool Size OD / ID	1" / 1.5"
Maximum Live Tool Speed	5,000 RPM
One Axial and one Radial BMT live holder included	

SUB SPINDLE:

Chuck Size	6"
Travel	19.6"
Maximum Speed	5,000 RPM
Spindle Nose	A2-5
Hole Thru Draw Tube	1.7"
Spindle Motor	10 HP

GENERAL:

Floor Space Required (W X D)	167" X 84"
Height	93.7" W / Work Light
Machine Weight	10,360 LBS
Standard Power Source	205-235 Volts / 3 Phase / 60HZ
Power Capacity Minimum	30 KVA



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-208SY

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 1st Reference Point Return
G30 2nd, 3rd. and 4th 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