

Matsuura PREMIUM MACHINE TOOL MANUFACTURER

MATSUURA MACHINERY USA, INC.
MAM72-52V 5-AXIS VERTICAL MACHINING CENTER



SN: 22137

Proposal #: M2045

9/2022

IMTS 2022



MATSUURA FACTORY STANDARDS

- FANUC G-TECH 311B CONTROL WITH IHMI
- SCALE FEEDBACK FOR B & C AXIS
- ATC AUTO DOOR
- SYNCHRONIZED TAPPING FUNCTION
- ADVANCED TAP (AD-TAP) FUNCTION
- INTELLIGENT PRECISION CONTROL (IPC) FUNCTION
- MATSUURA INTELLIGENT MEISTER SYSTEM (MIMS)
- SPINDLE OIL COOLER WITH OVERLOAD PROTECTION
- AUTO GREASE SUPPLY TO FEED AXIS
- INTERNAL SPIRAL AUGER
- MOSNIC LIFT-UP CHIP CONVEYOR WITH DRUM FILTER (REAR DISPOSAL)
- CHIP FLUSH SYSTEM
- WORK LIGHT
- TOTAL SPLASH GUARD
- STANDARD MECHANICAL TOOLS & TOOLBOX
- LEVELLING PALLETS AND BOLTS (NOT UTILIZED FOR THE FOUNDATION)
- CD-ROM FOR MEMORY CARD OPERATION
- MATSUURA SAFETY SPECIFICATION
- COMPLETE TRUEPATH SOFTWARE WITH INTELLIGENT PROTECTION SYSTEM (IPS)
1 YEAR OF SOFTWARE INCLUDED
*A SUITE OF POST PROCESSING, G-CODE EDITING, MACHINE SIMULATION, COLLISION
DETECTION, AND ANALYSIS TOOL*



FACTORY INCLUDED OPTIONS

MAM72-52V

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Location: IMTS 2022

SPINDLE

20,000 RPM HIGH-SPEED CAT #40 OIL-AIR LUBRICATED SPINDLE

INCLUDES 2 YEAR WARRANTY ON ALL SPINDLE COMPONENTS

TOOLS

330 TOOL MATRIX

PALLET CHANGER

15 PALLET SYSTEM WITH METRIC PALLETS

GENERAL

SCALE FEEDBACK FOR (X,Y,Z) AXIS/ HEIDENHAIN SCALE

HEIDENHAIN LINEAR GLASS SCALE FEEDBACK - B & C AXIS ARE STANDARD WITH ROTARY SCALES

(8) EXTRA M-FUNCTIONS

FOR 3RD PARTY ACCESSORY INTEGRATION

3-COLOR PRODUCTION MONITORING LIGHT

RED/GREEN/YELLOW

WEEKLY TIMER

7-DAY AUTOMATIC POWER-UP AND AUTOMATIC POWER-DOWN FUNCTION

AIR BLOW FOR CHIP SWarf REMOVAL

AIR DRIVEN ROTARY WIPER

MOVEABLE MANUAL PULSE GENERATOR

WORKPIECE CLEANING GUN ON MACHINE SIDE

COOLANT

MATSUURA FP-70 1,000 PSI THROUGH SPINDLE COOLANT SYSTEM

INCLUDES COOLANT PUMP, VACUUM, VACUUM SOLENOID, AND COOLANT CHILLER

COOLANT SHOWER SYSTEM

FOR MACHINING AREA WASH-DOWN WHILE CUTTING

PROVISION FOR MIST SEPARATOR

PROBING

SPINDLE PROBE – RENISHAW OMP-400

LASER TOOL SETTER – RENISHAW NC4

SOFTWARE

SPINDLE LOAD MONITORING FUNCTION

ALLOWS AN OPERATOR TO TEACH REFERENCE TORQUE VALUES FOR THE FEED AND SPINDLE AXIS FOR A NEW TOOL. WHEN A TOOL REACHES A WARNING LEVEL THE OPERATOR IS NOTIFIED. IF THE TORQUE VALUES REACH ANOTHER LIMIT THE MACHINE IS HALTED.

TOOL PRE-CHECK OPTION

THE CONTROL DETERMINES A LIST OF REQUIRED TOOLS FOR THE NEXT PALLET PROGRAM AND ENSURES THAT THE CORRECT TOOLS ARE AVAILABLE BEFORE BEGINNING TO CUT.

EZ-5 W/ CALIBRATION BALL

3D MODEL OF WORK ENVELOPE IN STL OR IGES FORMAT

OPERATION STATUS MONITORING SOFTWARE (MATSUURA IOT)

SYNCHRO TIP + ORBITAL MACHINING FUNCTION

FANUC PACKAGES

MMU VALUE PACKAGE

- *TOOL OFFSET PAIRS 999-PAIRS*
- *OPTIONAL BLOCK SKIP 9*
- *ADDITION OF WORKPIECE COORDINATE SYSTEM 300-PAIRS*
- *COORDINATE SYSTEM ROTATION*
- *QUICK PROGRAM RESTART*
- *PART PROGRAM STORAGE SIZE 8 MEGABYTE*
- *HIGH SPEED SKIP*
- *TOOL LIFE MANAGEMENT*
- *COMMON VARIABLE EXPANSION (#100-#199/#500-#999)*

HIGH SPEED/ HIGH PRECISION + 5-AXIS PACKAGE

- *iZ-2/150NF*
- *NANO SMOOTHING 1 & 2*
- *OPTIMUM TORQUE ACCELERATION & DECELERATION*
- *DATA SERVER PACKAGE WITH ETHERNET CONNECTIVITY AND 1 GIGABYTE OF PROGRAM STORAGE*
- *TOOL CENTER POINT CONTROL*
- *TILTED WORKING PLANE COMMAND*
- *3D CUTTER COMPENSATION*
- *WORK SETTING ERROR COMPENSATION*
- *INVERSE TIME FEED (G93)*
- *TOOL POSTURE CONTROL*