Mazak m codes

M0 - programmed stop

M1 - optional stop

M2 - end of program (eia/iso)

M3 - revolution of spindle (normal)

M4 - revolution of spindle (reverse)

M5 - stop of spindle

M6 - changing of tool (eia/iso)

M7 - mist coolant

M8 - liquid coolant

M9 - stop of all coolant and compressed air

M10 - clamping of tool on the spindle

M11 - unclamping of tool on the spindle

M15 - magazine cover closed

M16 - magazine cover opened

M19 - orientation of spindle

M23 - error detection valid

M24 - error detection invalid

M30 - end of program and rewinding of tape (eia/iso)

M33 - tool length measurement unit advanced

M34 - tool length measurement unit retracted

M35 - detection of tool breakage

M36 - selection of spindle speed range (low)

M37 - selection of spindle speed range (low/medium low)

M38 - selection of spindle speed range (low/medium/medium low)

M39 - selection of spindle speed range (high)

M40 - selection of spindle speed range (neutral)

M42 - reverse rotation of indexing table

M43 - external command of m-code 3

M44 - external command of m-code 4

M45 - external command of m-code 5

M46 - A-axis unclamping  
M47 - A-axis clamping

M48 - spindle speed and feed rate correction valid

M49 - spindle speed and feed rate correction invalid

M50 - air blast

M51 - spindle-through coolant

M52 - tapping coolant

M58 - check of tool life for spare-tool management

M64 - pallet door closed

M65 - pallet door opened

M68 - clamping of pallet

M69 - unclamping of pallet

M71 - selection of pallet no. 1

M72 - selection of pallet no. 2

M73 - selection of pallet no. 3

M74 - selection of pallet no. 4

M75 - selection of pallet no. 5

M76 - selection of pallet no. 6

M90 - cancelation of mirror image (mazatrol)

M91 - mirror image wpc-x valid (mazatrol)

M92 - mirror image wpc-y valid (mazatrol)

M93 - mirror image wpc-4 valid (mazatrol)

M98 - call-up of sub-program (eia/iso)

M99 - end of sub-program (eia/iso)

M100 - external command of m-code 1

M101 - external command of m-code 2

M122 - gap eliminator valid

M123 - gap eliminator invalid

M130 - niagara flood coolant ON  
M132 - spindle thru air blast