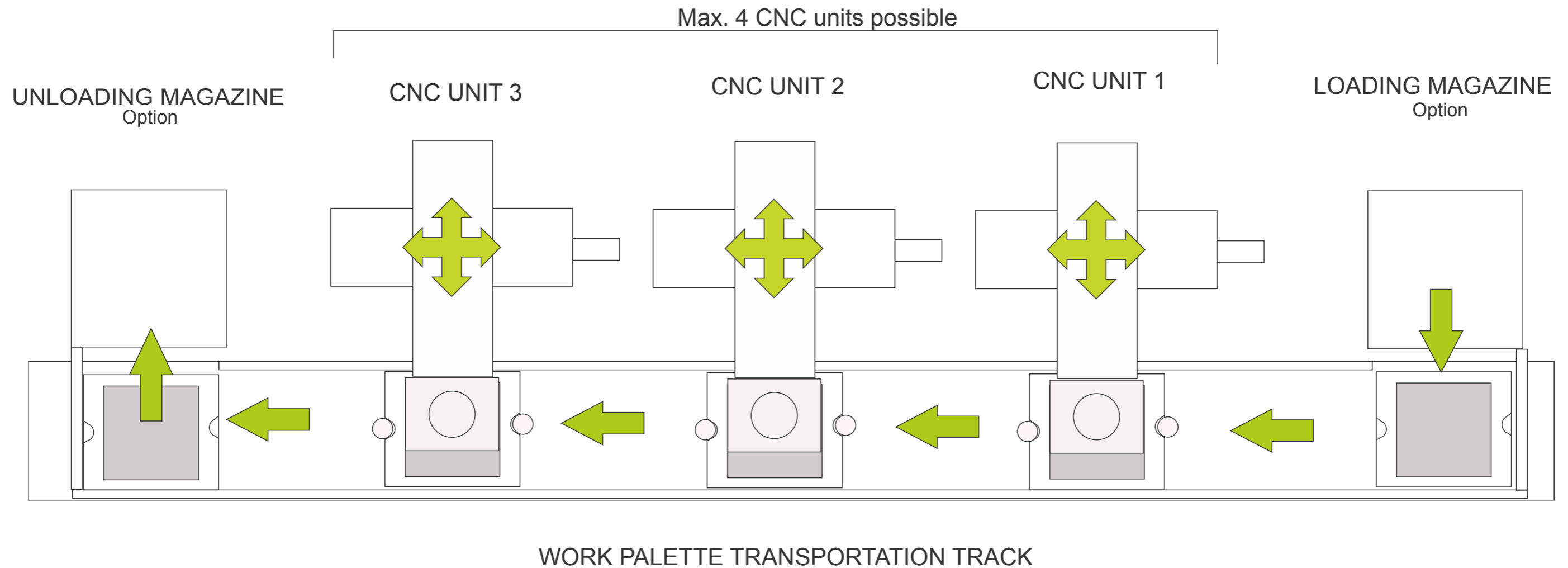


Multi CNC units machining center **MCU-48**



Up to 4 independent programmable, simultaneously running CNC machining units.
Automatic work palette transport.
Options: Automatic vision work alignment
Work palettes loading / unloading from / to magazine



Work palette with ceramic is loaded on to transportation tray manually. (option automatically from magazine). Palettes move from CNC station to station till complete machining is done. Palettes are manually collected from transportation buffer or optionally loaded in to magazine. In case of magazine option machine runs fully automatically.

Main units:

1. CNC unit , working area 8x8" max., 2kw main spindle motor, up to 24.000min⁻¹, quick tool change, 400W Mitsubishi servo/ axis, x,y, z axis/unit, high precision ground ball screws, resolution 1micron, 1 to 4 unit machine configuration possible, alignment CCD camera for quick work 0 settings.
2. Work palette transport, (optionally automatically from /in to magazine), transport by timing belt, palette fixation- clamping notches +vacuum.
3. Camera + cross line for position calibration.
4. Individual air cuttings cleaning
5. Control. Pc based, standard ISO G-code individual unit programing, one HMI monitor, tool speed, tool wear programmable.

Expected machining accuracy and repeatability: +/- 10 microns.

Expected machining time for sample part: 30s