

MODELS IN CNC, AUTOMATIC (ELECTRONICALLY CONTROLLED) & MANUAL

Designed for straight and miter cutting of aluminum profiles and solids.

MAXIMUM SQUARE CUT: 90°—6.4" | 45°—6.0" | 22.5°—4.5"



TK145/20 CNC & Auto



TK145/15 CNC



TK145/12 Auto



TK145/10 Auto



TK145/M (Manual)

CNC

- **Construction:** Welded steel bed frame with chromium guide rails for the mobile head. Head motion controlled by NC and driven by DC motor (944 inches/minute).
- **Blade / Motors:** 19.7"Ø, 0.197" kerf carbide tipped / 2.95 Hp, 2,800 RPM. Automatic shutoff with inactivity.
- **Miter:** 22°30" through -45° (112.5° range in 0.1° increments controlled by DC servomotor).
- **NC:** Modular with industrial PC, 15" color monitor, mouse, keyboard, Windows XP®.
- **Clamping system:** Automatic pneumatic horizontal and patented vertical clamps.
- **Safety protection:** (145/20): Full sound deadening (79.5 dB) enclosure with automatic front cover and manual sliding rear panels. (145/15): Automatic full covers on cutting zones.
- **Linear repeatability:** Positioning controlled by linear transducer. Programmed linear positions will repeat to +/- 0.0039".
- **Maximum cut (both heads):** (145/20): 157". (145/15): 3 frame options: 157", 196", 236"
- **Minimum cut (both heads):** 12.6" (7.5" with optional software).
- **Sequential cuts:** Minimum—0.0039", Maximum—590" (requires optional software).
- **Optimization of cutting lists**
- **Automatic blade lubrication**
- **Automatic calculation of cut length when working with cut angle other than 90°**
- **Profile support arms (145/20 only)**
- **2 days on-site installation and training**
- **1 year/2,000 hours warranty on parts and labor**

AUTO

- **Construction:** Welded steel bed frame with chromium guide rails for the mobile head. Head motion driven by DC motor (944 inches/minute).
- **Blade / Motors:** 19.7"Ø, 0.197" kerf carbide tipped / 2.95 Hp, 2,800 RPM. Automatic shutoff with inactivity.
- **Miter:** 22°30" to 90° (67.5° range with two fixed adjustable settings controlled pneumatically).
- **Electronics:** Industrial PC. (145/20 & 12): 15" color monitor, standard keyboard, Windows XP®. (145/10): 240X64 monochrome LCD display, 29 key membrane keyboard, DOS.
- **Clamping system:** Automatic pneumatic horizontal and vertical clamps.
- **Safety protection:** (145/20): Full sound deadening (79.5 dB) enclosure with automatic front cover and manual sliding rear panels. (145/12): Automatic full covers on cutting zones. (145/10): Automatic blade covers. Full covers on cutting zones are optional.
- **Linear repeatability:** Positioning controlled by linear transducer. Programmed linear positions will repeat to +/- 0.0039".
- **Maximum cut (both heads):** (145/20): 157". (145/12 & 10): 3 frame options: 157", 196", 236"
- **Minimum cut (both heads):** 11.4" (11.8" on 145/12) (7.5" with optional software).
- **Sequential cuts:** Minimum—0.0039", Maximum—590" (requires optional software).
- **Optimization of cutting lists**
- **Automatic blade lubrication**
- **Automatic calculation of cut length when working with cut angle other than 90°**
- **Profile support arms (145/20 only)**
- **1 day on-site installation and training**
- **1 year/2,000 hours warranty on parts and labor**

MANUAL

- **Construction:** Welded steel bed frame with chromium guide rails for the mobile head. Head motion manually driven.
- **Blade / Motors:** 19.7"Ø, 0.197" kerf carbide tipped / 2.95 Hp, 2,800 RPM.
- **Miter:** 22°30" to 90° (67.5° range with two fixed adjustable settings controlled pneumatically).
- **Clamping system:** Automatic pneumatic horizontal and vertical clamps.
- **Safety protection:** Automatic blade covers.
- **Maximum cut (both heads):** 3 frame options: 157", 196", 236"
- **Minimum cut (both heads):** 11.4"
- **Automatic blade lubrication**
- **1 day on-site installation and training**
- **1 year/2,000 hours warranty on parts and labor**



DOUBLE MITER SAWS

OPTIONS:

CNC & Automatic

- Expansion software—extra long/short and variable length/angle capabilities for standard (both head) and sequential (single head) cutting
- TEKNAMATIK—Windows based software that provides:
 - Cutting list calculations
 - Manufacture of frames by use of pre-stored files
 - Cutting list optimization
 - DXF visualization of profiles
- Translation software for use with CAM systems other than Tekna
- Chips conveyor system for automatic removal of chips created during cutting
- Vacuum dust/chips extraction system
- Right side loading table (excludes TK145/20 Automatic and CNC)
- Kit for clamps displacement for right side loading (TK145/20 Automatic and CNC only)
- Profile height measuring device
- Microdrop technology lubrication system (for increased cut quality and reduced coolant consumption)
- Bar code printer
- Voltage stabilizer
- Uninterruptible power supply
- Electronics cabinet cooling system

Manual

- Digital head position display
- Right side loading table

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