

Teneth cutting plotters (such as TH-740, T-24A, T-59A, and TN48-CCD) are high-precision industrial vinyl cutters known for 2mm small character cutting, 10-1000g adjustable force, and 500-1000mm/s speeds. They feature 32-bit ARM processors, 256MB CACHE memory, steel axes for accurate feeding, and support USB/U-disk/WIFI (optional) connectivity.

Key Technical Specifications

- **Cutting Force:** Typically, 10-500g or 10-1000g, suitable for vinyl, stickers, and cardboard.
- **Cutting Speed:** High-speed, ranging from 500mm/s up to 1000mm/s.
- **Precision:** High-precision steel axes with mechanical precision of 0.025mm and $\pm 0.025\text{mm}$ repeatability.
- **Mainboard:** 32-bit ARM CPU with 256MB high-speed cache for rapid processing.
- **Operation:** 2.4-inch to 4.3-inch touch screens.
- **Interfaces:** USB, U-disk (offline cutting), Serial Port, and optional Wi-Fi/Bluetooth.
- **Media Feeding:** Various sizes ranging from 24-inch (635mm) to 48-inch (1250mm) and 60-inch (1550mm) models.

Core Features and Capabilities

- **Contour Cutting:** Available with CCD Camera (adaptive smart camera) or AAS (Automatic Axis System) for automatic mark detection, allowing for accurate die-cutting.
- **High Performance:** Capable of cutting 2mm small letters clearly and supporting long-length cutting.
- **Efficiency:** Features "double-knife" setups for mixed full-cut and half-cut, plus a "repeat" function to cut the same file up to 500 times.
- **Durability:** Aluminum alloy body with high-quality pinch rollers and automatic cooling for long-term industrial use.
- **Software Support:** Compatible with Sign master, Art cut, Flexi, CDR, AI and CAD.

Common Models

- **Teneth T-24A/T-48L/T-59A:** Common series featuring 24-inch to 60-inch widths.
- **Teneth TH-740:** Often listed for specialized, high-pressure, and high-speed cutting.
- **Teneth TN48-CCD:** Advanced model with high-definition touch screen and camera for automated production.