

# CNC CRT to LCD Upgrade

## The Complete Replacement Guide for Industrial Buyers

Brought to you by Kongto

Your Trusted Partner in CNC Display Solutions Since 2010

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## Introduction: Why Your CNC CRT Monitor Problem Has a Simple Solution

If you are running a Fanuc, Mitsubishi, Mazak, Siemens, Haas, Okuma, or Heidenhain CNC machine in 2026, you have likely encountered the same frustrating situation: the machine works perfectly, but the CRT display is fading, flickering, or completely dead - and the original part is no longer manufactured.

**You are not alone.** This is one of the most common (and most urgent) problems in industrial machining today. Legacy CRT monitors are obsolete. OEM suppliers stopped production years ago. And every day your machine sits idle costs money.

**The good news:** Kongto has been providing proven, plug-and-play LCD solutions for virtually every major CNC CRT monitor on the market since 2010 - serving over 5,000+ industrial customers in 60+ countries worldwide.

In this guide, Kongto covers the most in-demand CRT replacement models across Fanuc, Mitsubishi, Mazak, Siemens, Haas, Okuma, Heidenhain, Brother, and Toshiba - with direct replacement part numbers, compatibility details, and what you need to know before you buy.

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## Part 1: The Core Pain Point - Why CNC Operators Are Switching to LCD Now

### The problem with old CRT monitors:

- Fluorescent backlights burn out and are impossible to replace
- Phosphor screens degrade, making coordinates unreadable
- Physical burn-in from static images (very common in CNC interfaces)
- No new OEM production = soaring prices on the secondary market
- Downtime while searching for compatible used parts

### Why choose Kongto LCD upgrade solution:

- 100% Plug & Play - no machine modification required
- Same physical mounting - 1:1 installation, original frame size
- Original connectors preserved - Honda 20-pin, 9-pin, or brand-specific interfaces
- Instant clarity - high-contrast LCD replaces dim, faded CRT instantly
- Global shipping via DHL / FedEx / UPS - minimize your machine downtime
- 2-Year Warranty - industrial-grade reliability backed by Kongto
- 15+ years of expertise - Kongto specializes exclusively in CNC display solutions

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## Part 2: Brand-by-Brand Replacement Guide

### FANUC (Fanuc) - World Largest Installed Base

*Kongto stocks the industry most complete range of Fanuc CRT-to-LCD replacements. With over 15 years of experience servicing Fanuc systems, Kongto is the #1 trusted supplier for Fanuc A61L series LCD upgrades.*

Fanuc CNC systems are the most widely used industrial CNCs globally, which means demand for Fanuc CRT replacements is consistently high. Fanuc part numbers follow a highly predictable pattern - almost all replacement monitors start with the prefix A61L-0001-.

### 9-Inch Fanuc Monitors (Most Common - Highest Search Volume)

| Replacement Part No. | Size | Notes  |
|----------------------|------|--|
| A61L-0001-0093       | 9"   | #1 best-seller. Compatible with D9MM-11A interface |
| A61L-0001-0095       | 9"   | D9MR-10A compatible. Common in Asian markets       |
| A61L-0001-0086       | 9"   | KF-M7099H equivalent                               |
| A61L-0001-0072       | 9"   | Older series, still in high demand                 |
| A61L-0001-0076       | 9"   | Compatible with multiple Fanuc control generations |
| A61L-0001-0092       | 9"   | High-demand replacement model                      |

### 12-Inch Fanuc Color Monitors

| Part No.       | Notes  |
|----------------|--|
| A61L-0001-0087 | 12" color, widely used in M-series controls  |
| A61L-0001-0077 | 12" color, popular in automotive machining   |
| A61L-0001-0078 | 12" color, strong demand from European shops |

### 14-Inch Fanuc Color Monitors (Professional / High-Profit Segment)

| Part No.       | Notes   |
|----------------|---|
| A61L-0001-0094 | 14" color. D14NB-5A interface compatible                    |
| A61L-0001-0096 | 14" color, premium segment                                  |
| A61L-0001-0074 | 14" color. TX-1450ABA/AB compatible. High-value replacement |
| A61L-0001-0071 | 14" color, M-series controls                                |
| A61L-0001-0079 | 14" color, multiple Fanuc system compatibility              |
| A61L-0001-0014 | 14" color, older series - still actively searched           |

*Tip: When searching, try both the A61L part number AND the display label number (e.g., D9MM-11A) - some machines are labeled with either reference.*

## MITSUBISHI - Complex Range, Massive Market

*Kongto is one of the few suppliers worldwide that covers ALL Mitsubishi MDT and BM series monitors with in-stock inventory. No waiting for backorders - ship within 24 hours.*

Mitsubishi monitors are frequently OEM-manufactured under the MDT (Mitsubishi Digital) and BM series. They are commonly found in M3, M500, M64, and M70 Mitsubishi systems, as well as many Mazak machines.

### 9-Inch Mitsubishi Monitors

| Part No. | Notes |
|----------|-------|
|----------|-------|

|            |   |
|------------|---|
| MDT962B-1A | Top volume seller. 3 variations (1A, 2A, 4A) for different signal configs |
| MDT962B-2A | Alternative signal configuration  |
| MDT962B-4A | Alternative signal configuration  |
| BM09DF     | Extremely common. Found in Mitsubishi AND Brother machines                |
| MDT947B-1A | 9" variant, often paired with Mazatrol systems                            |
| MDT947B-2B | 9" variant, high demand from Southeast Asia & Mexico                      |

### 12" & 14" Mitsubishi Monitors

| Part No.   | Notes  |
|------------|--|
| MDT1283B   | 12"/14". Extremely popular. Used in Mazak Mazatrol systems AND Mitsubishi M70/M64. Hot-selling crossover model |
| MDT1211B   | 12" color, common in European Mitsubishi installations   |
| MDT1211-02 | Variant with alternative interface   |
| MDT5211B   | Larger format, industrial-grade applications   |

*Key insight: MDT1283B is the single most cross-brand compatible Mitsubishi monitor - it appears in both Mitsubishi AND Mazak systems, making it one of the highest-velocity parts in the entire CRT replacement market.*

### MAZAK - European & American Premium Market

*Kongto Mazatrol LCD solutions are pre-configured at the factory for seamless integration. European and American Mazak owners trust Kongto for professional-grade Mazatrol T2/T32/M32 display upgrades.*

Mazak machines use the Mazatrol control system. Most Mazak monitors are Mitsubishi MDT series panels re-labeled with Mazak part numbers. Mazak buyers often search using either Mazak-specific model numbers OR the underlying Mitsubishi part numbers.

#### Mazatrol M2 / T2 / T3 / T4 Systems (Classic Series)

| Part No.      | Notes                                  |
|---------------|--|
| MDT947 series | 9" color, foundational Mazatrol system |
| MDT1216       | 12" color, M2/T2 system upgrade        |
| MDT948        | 12" variant, T3/T4 system compatible   |

#### Mazatrol M32 / T32 / M-Plus / T-Plus Systems (Modern Series)

| Part No.      | Notes   |
|---------------|---|
| MDT1283B      | #1 best-seller for modern Mazatrol. Extremely high demand in USA, Germany, UK |
| MDT962 series | Compatible with Plus-generation systems                                       |

#### Special / European Mazak Models

| Part No.   | Notes   |
|------------|---|
| CDM1472D1M | Special interface, European Mazatrol variants |

|            |  |
|------------|--|
| C-5470NS   | N/S series, niche but actively searched      |
| AIQA8DSP40 | Specialized DSP interface model              |
| 26S-14019L | European production Mazak models             |
| BC110      | Found in some European-origin Mazak machines |

*Market note: Mazak replacements command the highest profit margins in the European and American markets. Shops running Mazatrol machines are typically medium-to-large operations with budget for quality parts.*

## SIEMENS - The European Technical Standard

*Kongto provides precision-matched signal conditioning for all Siemens Sinumerik systems. German engineering shops rely on Kongto for accurate 6FC series display replacements.*

Siemens Sinumerik systems are prevalent in German manufacturing and throughout Central Europe. Their CRT replacement market is technically demanding - signal interfaces must be precisely matched.

### Sinumerik 810 / 840C / 840D Systems

| Part No.           | Notes   |
|--------------------|---|
| 6FC5410-0AA00-0AA0 | Classic Sinumerik 810/840 display reference                       |
| 6FC5103-0AB01-0AA0 | Alternative for 840C series                                       |
| 6FC5203-0AB00-0AA1 | Common in German automotive tier suppliers                        |
| 579417 TA          | 9-pin BNC interface, Magnetek OEM. High-demand 9-pin signal model |
| 6FC3988-7AF20      | Sinumerik 840C/840D modern equivalent                             |

*Technical tip: Siemens systems often require specific signal conditioning. Always specify your exact Sinumerik model number (810M, 810D, 840C, 840D) and the connector type (9-pin BNC, 20-pin, or D-Sub).*

## Haas - North America Shop Floor Favorite

*Kongto is the go-to source for USA repair shops needing Haas VF-series monitor replacements. Our 9-pin signal pre-tuned kits eliminate the need for external converters - just plug in and run.*

Haas VF-series machining centers dominate the American small-to-mid-size shop market. Their CRT monitors are relatively standardized but remain actively searched by thousands of independent repair shops across the USA.

### Haas VF Series Monitors

| Part No. | Notes  |
|----------|--|
| 28HM-NM4 | Primary VF1/VF2/VF3 replacement. 9-pin signal interface. High USA demand |

*USA Market advantage: Haas monitor replacements are a sticky product - once you establish a supply relationship with a repair shop, they will reorder from you repeatedly. The USA CNC repair shop market is vast and underserved online.*

## Okuma - Japan Precision Engineering Standard

Okuma OSP systems are common in precision machining, especially in Japan, Taiwan, and the US Midwest.

| Part No.       | Notes   |
|----------------|---|
| OSP5000 series | Classic OSP monitor. High Midwest USA demand            |
| OSP5020 series | OSP5020L, OSP5020 - actively searched                   |
| OSP7000 series | Larger format, high-value replacements                  |
| E0105-800-138  | Specialized interface, precision machining applications |

## Heidenhain - Precision Calibration Standard

Heidenhain systems are known for their precision and are common in German/Swiss precision tooling shops.

| Part No.       | Notes  |
|----------------|--|
| BC110 / BC110B | Most searched Heidenhain model. Common across multiple TNC generations |
| BC120          | Variant, BC series family  |
| BC125          | Variant, TNC 125 series compatible                                     |
| BE110          | Alternative series, BE family  |
| BE411          | Larger-format Heidenhain display                                       |
| BE412          | BE series professional variant   |

## Other Brands

### Brother CNC

| Part No.              | Notes                                    |
|-----------------------|--|
| TC-225 system display | Brother TC series CNC                    |
| TC-227 system display | High-demand Brother model                |
| TC-324 system display | Larger Brother vertical machining center |

### Toshiba

| Part No. | Notes   |
|----------|---|
| D9MM-11A | Cross-brand compatible (also used in Fanuc systems) |
| D9MR-10A | Alternative 9" interface standard                   |

## Part 3: How to Order from Kongto - Fast & Easy

To ensure a 100% correct replacement, please prepare the following before contacting Kongto:

- 1. Machine label photo** - Take a clear photo of the label on the back of your existing CRT monitor
- 2. Connector photo** - Take a close-up photo of the signal cable plug (e.g., 9-pin BNC, 20-pin Honda, D-Sub)
- 3. Control panel photo** - Photo of the full CNC control panel showing frame size and mounting

### Contact Kongto Now:

| Primary Keywords       | Secondary Keywords   |
|------------------------|--|
| Contact Method         | Details  |
| WhatsApp (Recommended) | <a href="https://wa.me/8613686889647">https://wa.me/8613686889647</a> - Available 24/7 for |

|               |  |
|---------------|--|
|               | instant response   |
| Email         | szkongto01@foxmail.com - For formal quotations and Proforma Invoices |
| Response Time | Within 24 hours (usually much faster via WhatsApp)                   |

Send your photos to Kongto and we will confirm the exact replacement model and price within 24 hours.

## Part 4: Kongto Global Shipping & Payment Options

Shipping: DHL / FedEx / UPS worldwide express shipping from Kongto warehouse. Trackable door-to-door delivery.

Payment: T/T bank transfer (J.P. Morgan HK account), PayPal, Wise - flexible options for buyers worldwide

Warranty: 2-Year industrial warranty on all Kongto LCD upgrade kits - backed by our reputation

Documentation: Kongto provides formal Proforma Invoice (PI) and packing list for customs clearance

Factory Direct: All products shipped directly from Kongto facility - no middlemen, best prices

## Part 5: Long-Tail SEO Keywords This Article Targets

| Primary Keywords                 | Secondary Keywords             |
|----------------------------------|--------------------------------|
| Primary Keywords                 | Secondary Keywords             |
| Fanuc A61L-0001-0093 replacement | CNC CRT monitor repair         |
| Mitsubishi MDT962B LCD upgrade   | 9-pin CNC display replacement  |
| Mazatrol MDT1283 LCD kit         | Fanuc 14 inch CRT replacement  |
| Siemens 6FC5410 display upgrade  | Mitsubishi BM09DF monitor      |
| Haas VF2 monitor conversion      | Mazak CRT to LCD kit           |
| Okuma OSP5000 display            | Sinumerik 840C LCD upgrade     |
| Heidenhain BC110 replacement     | CNC monitor plug and play      |
| Fanuc A61L-0001-0074 LCD         | Brother TC-227 monitor upgrade |

## Ready to Order? Contact Kongto Today!

Stop searching for discontinued CRT monitors. Kongto has the largest in-stock inventory of CNC CRT-to-LCD replacement kits for Fanuc, Mitsubishi, Mazak, Siemens, Haas, Okuma, Heidenhain, and more - ready to ship within 24 hours.

### About Kongto

Kongto is a specialized manufacturer and global supplier of CNC CRT-to-LCD upgrade solutions. Founded over 15 years ago, we have served:

5,000+ industrial customers across 60+ countries

All major CNC brands: Fanuc, Mitsubishi, Mazak, Siemens, Haas, Okuma, Heidenhain, Brother, Toshiba

24-hour dispatch from in-stock inventory

Dedicated after-sales support - we stand behind every product we sell

**Get in Touch with Kongto:**

| Primary Keywords       | Secondary Keywords   |
|------------------------|--|
| Method                 | Contact  |
| WhatsApp (Recommended) | <a href="https://wa.me/8613686889647">https://wa.me/8613686889647</a> - Instant response, send photos directly |
| Email                  | szkongto01@foxmail.com - Formal inquiries, bulk orders, PI requests  |

**Send your machine photos to Kongto on WhatsApp now - we will confirm your exact replacement and quote within 24 hours!**