

Harmony, Healthy, Wealthy
...the key



Hmwtech Co., Ltd
<http://www.harmonywold.com>

Hmwtech



2011 CNC Monitor Catalog

EDITION V2011.1

What is the financial benefit of buying from Hmwtech? We offer lower costs, increased reliability, flexibility, and compatibility. All this and you are saving money too! How much money? Well, to have an Allen Bradley 1400e replaced by Rockwell with an LCD monitor, you will be paying \$4200. A Hmwtech replacement of the SAME PRODUCT is \$1375, for a total saving of \$2825! How do we save you this amount of money? Simple: we do not overcharge for simple repairs / replacements. Should you be charged \$2000 for a \$40 part, and half an hour of labour? Of course not! Where else does Hmwtech save you money? When you send your monitor in for an upgrade, other companies will install it for you, a process which takes someone who has NEVER done it before around one hour. It is up to you, the customer to decide whether one hour of your time is worth over \$2800.

Many people are skeptical about aftermarket replacement parts; they think that they will not work as well, not be compatible with their software, live as long, or will be unreliable. Hmwtech has answered all of these common problems. Our monitors are built specifically for the model of monitor that you, the user, has. We don't offer a generic "Band-Aid" solution, we custom design your replacement. Whether you are using Allen Bradley, Fanuc, or Okuma, we can build a customized solution that will fit your needs. We are able to do this because of the experience that our technicians and engineers have with monitors of all makes and models. The life of your monitor is the same as the brand name replacement: 50,000 hours!

Many customers have come to us with old monitors after being turned away from other repair shops that do not have the expertise to deal with old technology. At Hmwtech, we will do no such thing. From everyday CNC controllers, to old obscure radar monitors, we have worked with hundreds upon hundreds of different styles of monitors. We also offer something many of our competitors do not: FREE ENGINEERING DESIGNS. If your monitor is something we have not come across, we will design a replacement at no extra cost to you.





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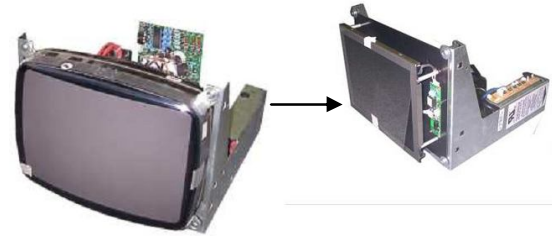
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LCD Upgrade Information

A CRT can be unreliable and can be down for days at a time when you need it the most. When a CRT burns out, installing an LCD upgrade is the fastest and most reliable way to get a machine controller up and running. LCD upgrades are 100% compatible with old video connections such as BNCs, 15 pin, 9 pin, 8 pin, VGA, CGA, 10 pin edge connectors, and many others.

Fanuc crt monitor equivalent replacements such as the a611-0001-0074, as mitsubishi crts, matsushita monitors, tatung displays, totoku screens, toshiba and hitachi crt monitor for fanuc controls, mazak, yamazaki and mazatrol based machine tools mainly utilising mitsubishi control systems, Siemens system 3, 810 and 8xx series controls. we currently have the siemens, magnetek ...

heidenhain monitor replacements LCD upgrade for them.



The above picture shows an Allen Bradley 8600s with the cover removed. The LCD upgrade replaces the CRT and its video components.

Using the original CRT frame

Allen Bradley Series

Allen Bradley Series LCD Upgrade Replacement

Allen Bradley 7320 LCD Upgrade

Allen Bradley 7360 LCD Upgrade
Allen Bradley 8400 LCD Upgrade
Allen Bradley Series 9 Color LCD Upgrade
Allen Bradley 2711Panelview 1200 LCD Upgrade
Allen Bradley 8200 LCD Upgrade

Allen Bradley 7370 LCD Upgrade
Allen Bradley 7370 LCD Upgrade
Allen Bradley 8400 LCD Upgrade
Allen Bradley 8600 LCD Upgrade

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors
Active Area: 211.1*158.4mm
Brightness: 350cd/m²
Backlight life: 50,000hrs Typical
Max. Resolution: 800*600 pixels
Contrast Ratio: 150:1
Viewing Angles: 100° H, 70° V
Input Connector: 1*15-pin HD Female/1*15-pin LD cable
Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL
Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz
AC Model: 110/230V 50/60Hz **Power Consumption:** 56W Typical
Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p
Operating Temp: -10-65°C **Storage Temp:** -30-70°C



Allen Bradley 2711 Panelview 1400 LCD Upgrade

Allen Bradley 2711Panelview 1400 LCD Upgrade

Allen Bradley 2711Panelview 1400e LCD Upgrade

Allen Bradley Series 9 LCD Upgrade

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors

Active Area: 264*184.5mm

Brightness: 400cd/m²

Backlight life: 50,000hrs Typical

Max. Resolution: 800*600 pixels

Contrast Ratio: 150:1

Viewing Angles: 140⁰ H, 110⁰ V

Input Connector: 1*15-pin HD Female/1*15-pin LD cable

Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL

Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz

AC Model: 110/230V 50/60Hz **Power Consumption:** 56W Typical

Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p

Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



Agie Series

Agie Series LCD Upgrade Replacement

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors

Active Area: 264*184.5mm

Brightness: 400cd/m²

Backlight life: 50,000hrs Typical

Max. Resolution: 800*600 pixels

Contrast Ratio: 150:1

Viewing Angles: 140⁰ H, 110⁰ V

Input Connector: 1*15-pin HD Female/1*15-pin LD cable

Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL

Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz

AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical

Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p

Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



Anilam Crusader M Series

Anilam Crusader M Series LCD Upgrade Replacement

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors
Active Area: 170.3*127.8mm
Brightness: 220cd/m²
Backlight life: 50,000hrs Typical
Max. Resolution: 800*600 pixels
Contrast Ratio: 500:1
Viewing Angles: 140⁰H, 110⁰V
Input Connector: 1*15-pin HD Female/1*15-pin LD cable
Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL
Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz
AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical
Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p
Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



Bridgeport EZ Trak Series

Bridgeport EZ Trak Series LCD Upgrade Replacement

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors
Active Area: 211.2*158.4mm
Brightness: 350cd/m²
Backlight life: 50,000hrs Typical
Max. Resolution: 800*600 pixels
Contrast Ratio: 300:1
Viewing Angles: 140⁰H, 110⁰V
Input Connector: 1*15-pin HD Female/1*15-pin LD cable
Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL
Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz
AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical
Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p
Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



Charmilles Series

Charmilles Series LCD Upgrade Replacement

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors
Active Area: 264*184.5mm
Brightness: 400cd/m²
Backlight life: 50,000hrs Typical
Max. Resolution: 800*600 pixels
Contrast Ratio: 500:1
Viewing Angles: 140⁰H, 110⁰V
Input Connector: 1*15-pin HD Female/1*15-pin LD cable
Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL
Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz
AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical
Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p
Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



Cincinnati Milacron Series

Cincinnati Milacron Series LCD Upgrade Replacement

Cincinnati Milacron 1-228-0028 LCD Upgrade

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors
Active Area: 211.2*158.4mm
Brightness: 350cd/m²
Backlight life: 50,000hrs Typical
Max. Resolution: 800*600 pixels
Contrast Ratio: 300:1
Viewing Angles: 140⁰H, 110⁰V
Input Connector: 1*15-pin HD Female/1*15-pin LD cable
Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL
Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz
AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical
Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p
Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



Cincinnati Milacron Acramatic 503 LCD Upgrade

Cincinnati Milacron Acramatic 850 LCD Upgrade | Cincinnati Milacron Acramatic 950 LCD Upgrade

Cincinnati Milacron Acramatic 2100 LCD Upgrade

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors

Active Area: 264*184.5mm

Brightness: 370cd/m²

Backlight life: 50,000hrs Typical

Max. Resolution: 800*600 pixels

Contrast Ratio: 450:1

Viewing Angles: 140°H, 110°V

Input Connector: 1*15-pin HD Female/1*15-pin LD cable

Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL

Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz

AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical

Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p

Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



Cutler Hammer Series

Eaton/Modicon/Cutler Hammer/IDT Panelmate I, II, III LCD Upgrade Kit

Cutler Hammer 91-00935-00 LCD Upgrade

Cutler Hammer 91-00992-00 LCD Upgrade

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors

Active Area: 264*184.5mm

Brightness: 370cd/m²

Backlight life: 50,000hrs Typical

Max. Resolution: 800*600 pixels

Contrast Ratio: 450:1

Viewing Angles: 140°H, 110°V

Input Connector: 1*15-pin HD Female/1*15-pin LD cable

Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL

Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz

AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical

Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p

Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



Dynapro Series

Dynapro Series LCD Upgrade Replacement

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors
Active Area: 211.2*158.4mm
Brightness: 350cd/m²
Backlight life: 50,000hrs Typical
Max. Resolution: 800*600 pixels
Contrast Ratio: 300:1
Viewing Angles: 140⁰ H, 110⁰ V
Input Connector: 1*15-pin HD Female/1*15-pin LD cable
Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL
Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz
AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical
Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p
Operating Temp: -10-65°C **Storage Temp:** -30-70°C



Fagor Series

Fagor Series LCD Upgrade Replacement

Fagor 8025 LCD Upgrade CNC Monitor | Fagor 8020 LCD Upgrade CNC Monitor

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors
Active Area: 170.9*128.2mm
Brightness: 500cd/m²
Backlight life: 50,000hrs Typical
Max. Resolution: 800*600 pixels
Contrast Ratio: 500:1
Viewing Angles: 140⁰ H, 110⁰ V
Input Connector: 1*15-pin HD Female/1*15-pin LD cable
Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL
Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz
AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical
Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p
Operating Temp: -10-65°C **Storage Temp:** -30-70°C



Fagor 8030 LCD Upgrade CNC Monitor

Fagor 8030 LCD Upgrade CNC Monitor

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors
Active Area: 211.2*158.4mm
Brightness: 350cd/m²
Backlight life: 50,000hrs Typical
Max. Resolution: 800*600 pixels
Contrast Ratio: 150:1
Viewing Angles: 140⁰ H, 110⁰ V
Input Connector: 1*15-pin HD Female/1*15-pin LD cable
Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL
Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz
AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical
Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p
Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



Fanuc Series

Fanuc Series LCD Upgrade Replacement

Fanuc A61L-0001-0072 LCD Upgrade CNC Monitor
Fanuc A61L-0001-0076 LCD Upgrade CNC Monitor
Fanuc A61L-0001-0090 LCD Upgrade CNC Monitor

Fanuc A61L-0001-0093 LCD Upgrade CNC Monitor
Fanuc A61L-0001-0086 LCD Upgrade CNC Monitor
Fanuc A61L-0001-0095 LCD Upgrade CNC Monitor

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors
Active Area: 170.9*128.2mm
Brightness: 500cd/m²
Backlight life: 50,000hrs Typical
Max. Resolution: 800*600 pixels
Contrast Ratio: 500:1
Viewing Angles: 140⁰ H, 110⁰ V
Input Connector: 1*15-pin HD Female/1*15-pin LD cable
Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL
Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz
AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical
Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p
Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



Fanuc A61L-0001-0074 LCD Upgrade CNC Monitor
Fanuc A61L-0001-0078 LCD Upgrade CNC Monitor
Fanuc A61L-0001-0087 LCD Upgrade CNC Monitor
Fanuc A61L-0001-0096 LCD Upgrade CNC Monitor

Fanuc A61L-0001-0077 LCD Upgrade CNC Monitor
Fanuc A61L-0001-0079 LCD Upgrade CNC Monitor
Fanuc A61L-0001-0094 LCD Upgrade CNC Monitor

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors
Active Area: 264*184.5mm
Brightness: 500cd/m²
Backlight life: 50,000hrs Typical
Max. Resolution: 800*600 pixels
Contrast Ratio: 500:1
Viewing Angles: 140⁰ H, 110⁰ V
Input Connector: 1*15-pin HD Female/1*15-pin LD cable
Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL
Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz
AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical
Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p
Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



G.E. Series

GE Series LCD Upgrade Replacement

GE 44a717111 LCD Upgrade CNC Monitor

GE 44a719977 LCD Upgrade CNC Monitor

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** Green mono / 262k Colors
Active Area: 170.9*128.2mm
Brightness: 350cd/m²
Backlight life: 50,000hrs Typical
Max. Resolution: 800*600 pixels
Contrast Ratio: 300:1
Viewing Angles: 140⁰ H, 110⁰ V
Input Connector: 1*15-pin HD Female/1*15-pin LD cable
Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL
Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz
AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical
Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p
Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



GE 44a719978 LCD Upgrade CNC Monitor

GE 44a719979 LCD Upgrade CNC Monitor

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** Green mono /262k Colors
Active Area: 264*184.5mm
Brightness: 350cd/m²
Backlight life: 50,000hrs Typical
Max. Resolution: 800*600 pixels
Contrast Ratio: 300:1
Viewing Angles: 140⁰ H, 110⁰ V
Input Connector: 1*15-pin HD Female/1*15-pin LD cable
Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL
Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz
AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical
Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p
Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C

Heidenhain Series

Heidenhain Series LCD Upgrade Replacement

Heidenhain TNC I51 10.4" LCD Upgrade CNC Monitor

Heidenhain TNC355 10.4" LCD Upgrade CNC Monitor

Heidenhain TNC355B 10.4" LCD Upgrade CNC Monitor

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors
Active Area: 211.2*158.4mm
Brightness: 350cd/m²
Backlight life: 50,000hrs Typical
Max. Resolution: 800*600 pixels
Contrast Ratio: 300:1
Viewing Angles: 140⁰ H, 110⁰ V
Input Connector: 1*15-pin HD Female/1*15-pin LD cable
Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL
Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz
AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical
Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p
Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



Heidenhain TNC 355 12.1" LCD Upgrade CNC Monitor

Heidenhain TNC 355 12.1" LCD Upgrade CNC Monitor

Heidenhain TNC 355 12.1" LCD Upgrade CNC Monitor

Heidenhain BC110B LCD Upgrade CNC Monitor

Heidenhain BC120 LCD Upgrade CNC Monitor
Heidenhain BE211B LCD Upgrade CNC Monitor

Heidenhain BE211 LCD Upgrade CNC Monitor
Heidenhain BE411 LCD Upgrade CNC Monitor

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors
Active Area: 264*184.5mm
Brightness: 400cd/m²
Backlight life: 50,000hrs Typical
Max. Resolution: 800*600 pixels
Contrast Ratio: 500:1
Viewing Angles: 140⁰H, 110⁰V
Input Connector: 1*15-pin HD Female/1*15-pin LD cable
Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL
Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz
AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical
Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p
Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C

Hitachi Seiki Series

Hitachi Seiki Series LCD Upgrade Replacement

Hitachi Seiki Multi LX3 LCD Upgrade CNC Monitor
Hitachi c14c-1472d1f LCD Upgrade CNC Monitor
Hitachi cd1472d1m LCD Upgrade CNC Monitor
Hitachi cdt14111b LCD Upgrade CNC Monitor
Hitachi tx1424ad LCD Upgrade CNC Monitor
Hitachi tx1425b LCD Upgrade CNC Monitor
Hitachi tx1450ae LCD Upgrade CNC Monitor

Hitachi c14c-1472df LCD Upgrade CNC Monitor
Hitachi c-5470ye LCD Upgrade CNC Monitor
Hitachi cd1472d1m-2 LCD Upgrade CNC Monitor
Hitachi cdt14111b-8a LCD Upgrade CNC Monitor
Hitachi c14c-1472dfa LCD Upgrade CNC Monitor
Hitachi tx1450a LCD Upgrade CNC Monitor

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors
Active Area: 264*184.5mm
Brightness: 400cd/m²
Backlight life: 50,000hrs Typical
Max. Resolution: 800*600 pixels
Contrast Ratio: 500:1
Viewing Angles: 140⁰H, 110⁰V
Input Connector: 1*15-pin HD Female/1*15-pin LD cable
Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL
Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz
AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical
Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p
Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



KME Series

KME Series LCD Upgrade Replacement

KME 26S10M32H LCD Upgrade CNC Monitor
KME 26C12001 LCD Upgrade CNC Monitor

KME 20S12C32HX LCD Upgrade CNC Monitor

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors

Active Area: 170.3*127.8mm/211.2*158.4mm

Brightness: 350cd/m²

Backlight life: 50,000hrs Typical

Max. Resolution: 800*600 pixels

Contrast Ratio: 300:1

Viewing Angles: 140⁰H, 110⁰V

Input Connector: 1*15-pin HD Female/1*15-pin LD cable

Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL

Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz

AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical

Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p

Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



Mitsubishi Mazak Series

Mitsubishi Mazak Series LCD Upgrade Replacement

Mitsubishi Mazak mdt925ps LCD Upgrade CNC Monitor

Mitsubishi Mazak mdt962b LCD Upgrade CNC Monitor

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors

Active Area: 170.3*127.8mm

Brightness: 220cd/m²

Backlight life: 50,000hrs Typical

Max. Resolution: 800*600 pixels

Contrast Ratio: 300:1

Viewing Angles: 140⁰H, 110⁰V

Input Connector: 1*15-pin HD Female/1*15-pin LD cable

Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL

Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz

AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical

Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p

Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



Mitsubishi Mazak C-3240 LCD Upgrade CNC Monitor
Mitsubishi Mazak c-5470 LCD Upgrade CNC Monitor
Mitsubishi Mazak 26s14o19l LCD Upgrade CNC Monitor
Mitsubishi Mazak cdt-14148b LCD Upgrade CNC Monitor
Mitsubishi Mazak me12-pdb LCD Upgrade CNC Monitor

Mitsubishi Mazak c-3470 LCD Upgrade CNC Monitor
Mitsubishi Mazak 8dsp40 LCD Upgrade CNC Monitor
Mitsubishi Mazak cd1472d1m LCD Upgrade
Mitsubishi Mazak mdt1283-b LCD Upgrade CNC Monitor
Mitsubishi Mazak hm12-pdb LCD Upgrade CNC Monitor

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors

Active Area: 264*184.5mm

Brightness: 400cd/m²

Backlight life: 50,000hrs Typical

Max. Resolution: 800*600 pixels

Contrast Ratio: 500:1

Viewing Angles: 140° H, 110° V

Input Connector: 1*15-pin HD Female/1*15-pin LD cable

Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL

Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz

AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical

Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p

Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C

Matsushita Series

Matsushita Fanuc Series LCD Upgrade Replacement

Matsushita kf-m7099h LCD Upgrade CNC Monitor

Matsushita tr-9dk1 LCD Upgrade CNC Monitor

Matsushita tr-9dk1b LCD Upgrade CNC Monitor

Matsushita tr-9k1b LCD Upgrade CNC Monitor

Matsushita tr-9dd1b LCD Upgrade CNC Monitor

Matsushita tr-9dk1a LCD Upgrade CNC Monitor

Matsushita tr-9dkyc LCD Upgrade CNC Monitor

Matsushita tx-901ab LCD Upgrade CNC Monitor

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** Green mono

Active Area: 170.3*127.8mm **Brightness:** 220cd/m²

Backlight life: 50,000hrs Typical **Max. Resolution:** 800*600 pixels

Contrast Ratio: 300:1 **Viewing Angles:** 140° H, 110° V

Input Connector: 1*15-pin HD Female/1*15-pin LD cable

Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL

Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz

AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical

Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p

Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



Matsushita tr-120s9c LCD Upgrade CNC Monitor
Matsushita tx-1204ac LCD Upgrade CNC Monitor
Matsushita tx-1404LCD Upgrade CNC Monitor
Matsushita tx-1424 LCD Upgrade CNC Monitor
Matsushita tx-1424ad LCD Upgrade CNC Monitor
Matsushita tx-1450ab LCD Upgrade CNC Monitor

Matsushita tx-1204 LCD Upgrade CNC Monitor
Matsushita tx-1208aa LCD Upgrade CNC Monitor
Matsushita tx-1404ab LCD Upgrade CNC Monitor
Matsushita tx-1424ab LCD Upgrade CNC Monitor
Matsushita tx-1425b LCD Upgrade CNC Monitor

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors
Active Area: 264*184.5mm
Brightness: 400cd/m²
Backlight life: 50,000hrs Typical
Max. Resolution: 800*600 pixels
Contrast Ratio: 500:1
Viewing Angles: 140⁰ H, 110⁰ V
Input Connector: 1*15-pin HD Female/1*15-pin LD cable
Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL
Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz
AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical
Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p
Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



Magnetek Series

Magnetek Series LCD Upgrade Replacement

Magnetek 1051091000LCD Upgrade CNC Monitor
Magnetek 14531400107 LCD Upgrade CNC Monitor
Magnetek 576745ta LCD Upgrade CNC Monitor

Magnetek 14531400102 LCD Upgrade CNC Monitor
Magnetek 576744ta LCD Upgrade CNC Monitor
Magnetek 579417ta LCD Upgrade CNC Monitor

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** Green mono/ 262k Colors
Active Area: 170.3*127.8mm/ 264*184.5mm
Brightness: 220cd/m²
Backlight life: 50,000hrs Typical
Max. Resolution: 800*600 pixels
Contrast Ratio: 300:1
Viewing Angles: 140⁰ H, 110⁰ V
Input Connector: 1*15-pin HD Female/1*15-pin LD cable
Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL
Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz
AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical
Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p
Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



Nematron Series

Nematron Series LCD Upgrade Replacement

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors
Active Area: 211.2*158.4mm
Brightness: 220cd/m²
Backlight life: 50,000hrs Typical
Max. Resolution: 800*600 pixels
Contrast Ratio: 300:1
Viewing Angles: 140⁰H, 110⁰V
Input Connector: 1*15-pin HD Female/1*15-pin LD cable
Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL
Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz
AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical
Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p
Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



Okuma Series

Okuma Series LCD Upgrade Replacement

Okuma OSP 5020L LCD Upgrade CNC Monitor

Okuma OSP 7000 LCD Upgrade CNC Monitor

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors
Active Area: 211.2*158.4mm
Brightness: 350cd/m²
Backlight life: 50,000hrs Typical
Max. Resolution: 800*600 pixels
Contrast Ratio: 300:1
Viewing Angles: 140⁰H, 110⁰V
Input Connector: 1*15-pin HD Female/1*15-pin LD cable
Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL
Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz
AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical
Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p
Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



Siemens Sinumerik Series

Siemens Sinumerik Series LCD Upgrade Replacement

Siemens 6fc3988-7af01 LCD Upgrade CNC Monitor

Siemens qdm-9wd-120 LCD Upgrade CNC Monitor

Siemens qdm-9wd-121 LCD Upgrade CNC Monitor

Siemens sm0901 LCD Upgrade CNC Monitor

Siemens qdm-9wd-110 LCD Upgrade CNC Monitor

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors/ Green mono

Active Area: 170.3*127.8mm

Brightness: 220cd/m²

Backlight life: 50,000hrs Typical

Max. Resolution: 800*600 pixels

Contrast Ratio: 300:1

Viewing Angles: 140⁰H, 110⁰V

Input Connector: 1*15-pin HD Female/1*15-pin LD cable

Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL

Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz

AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical

Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p

Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



Siemens 576744ta LCD Upgrade CNC Monitor

Siemens 6fc4600-0ar50 LCD Upgrade CNC Monitor

Siemens 576745ta LCD Upgrade CNC Monitor

Siemens Sinumerik 880 LCD Upgrade CNC Monitor

Siemens 6fc4600-0ar04 LCD Upgrade CNC Monitor

Siemens 6fc5103-0ab01 LCD Upgrade CNC Monitor

Siemens sc-1200 LCD Upgrade CNC Monitor

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors

Active Area: 264*184.5mm

Brightness: 350cd/m²

Backlight life: 50,000hrs Typical

Max. Resolution: 800*600 pixels

Contrast Ratio: 300:1

Viewing Angles: 140⁰H, 110⁰V

Input Connector: 1*15-pin HD Female/1*15-pin LD cable

Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL

Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz

AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical

Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p

Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C

Total Controls Series

Total Controls Series LCD Upgrade Replacement

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors
Active Area: 264*184.5mm
Brightness: 350cd/m²
Backlight life: 50,000hrs Typical
Max. Resolution: 800*600 pixels
Contrast Ratio: 300:1
Viewing Angles: 140⁰ H, 110⁰ V
Input Connector: 1*15-pin HD Female/1*15-pin LD cable
Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL
Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz
AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical
Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p
Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



Xycom Controls Series

Xycom Series LCD Upgrade Replacement

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors
Active Area: 211.2*158.4mm
Brightness: 350cd/m²
Backlight life: 50,000hrs Typical
Max. Resolution: 800*600 pixels
Contrast Ratio: 300:1
Viewing Angles: 140⁰ H, 110⁰ V
Input Connector: 1*15-pin HD Female/1*15-pin LD cable
Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL
Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz
AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical
Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p
Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



Xycom 9403 LCD Upgrade CNC Monitor

Xycom 9405 LCD Upgrade CNC Monitor

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors
Active Area: 264*184.5mm
Brightness: 350cd/m²
Backlight life: 50,000hrs Typical
Max. Resolution: 800*600 pixels
Contrast Ratio: 300:1
Viewing Angles: 140⁰H, 110⁰V
Input Connector: 1*15-pin HD Female/1*15-pin LD cable
Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL
Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz
AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical
Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p
Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C

Yasnac Series

Yasnac Series LCD Upgrade Replacement

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors/ Green mono
Active Area: 170.3*127.8mm
Brightness: 220cd/m²
Backlight life: 50,000hrs Typical
Max. Resolution: 800*600 pixels
Contrast Ratio: 300:1
Viewing Angles: 140⁰H, 110⁰V
Input Connector: 1*15-pin HD Female/1*15-pin LD cable
Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL
Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz
AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical
Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p
Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C



Universal 8.4inch LCD Upgrade

Model No.: HC-1011084

Universal 8.4inch LCD Upgrade (instead of 8inch, 9inch CRTs) CNC Monitor

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors/ Green mono

Active Area: 170.3*127.8mm

Brightness: 220cd/m²

Backlight life: 50,000hrs Typical

Max. Resolution: 800*600 pixels

Contrast Ratio: 300:1

Viewing Angles: 140⁰H, 110⁰V

Input Connector: 1*15-pin HD Female/1*15-pin LD cable

Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL

Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz

AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical

Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p

Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C

Support Input Source Singals: CGA, EGA, MDA, RGB, RGBHV, RGB Sync, S-video, Video, Green Sync, YPbPr .

Input Interface: 9pin, 3pin, 6pin, 14pin, 20pin, 25pin



Universal 10.4inch LCD Upgrade

Model No.: HC-1011104

Universal 10.4inch LCD Upgrade (instead of 10.4inch, 12inch CRTs) CNC Monitor

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors/ Green mono

Active Area: 211.2*158.4mm

Brightness: 350cd/m²

Backlight life: 50,000hrs Typical

Max. Resolution: 800*600 pixels

Contrast Ratio: 300:1

Viewing Angles: 140⁰H, 110⁰V

Input Connector: 1*15-pin HD Female/1*15-pin LD cable

Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL

Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz

AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical

Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p

Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C

Support Input Source Singals: CGA, EGA, MDA, RGB, RGBHV, RGB Sync, S-video, Video, Green Sync, YPbPr .

Input Interface: 9pin, 3pin, 6pin, 14pin, 20pin, 25pin



Universal 12.1inch LCD Upgrade

Model No.: HC-101121

Universal 12.1inch LCD Upgrade (instead of 12.1inch, 14inch CRTs) CNC Monitor

Using the original CRT frame

Specifications:

Type: AM Color TFT **No.Colors:** 262k Colors/ Green mono

Active Area: 264*184.5mm

Brightness: 350cd/m²

Backlight life: 50,000hrs Typical

Max. Resolution: 800*600 pixels

Contrast Ratio: 300:1

Viewing Angles: 140⁰ H, 110⁰ V

Input Connector: 1*15-pin HD Female/1*15-pin LD cable

Sync.Type/Level: Separate H&V (+/- ve) TTL or Composite(-ve) TTL

Horizontal Scan: (15-40)kHz **Vertical Scan:** (55-75) Hz

AC Model: 110/230V 50/60Hz **Power Consumption:** 24W Typical

Response Time: 35ms **Video Connection:** Analog RGB 0.7-1.0 Vp-p

Operating Temp: -10 -65°C **Storage Temp:** -30 -70°C

Support Input Source Singals: CGA, EGA, MDA, RGB, RGBHV, RGB Sync, S-video, Video, Green Sync, YPbPr .

Input Interface: 9pin, 3pin, 6pin, 14pin, 20pin, 25pin



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