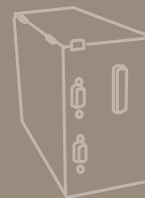
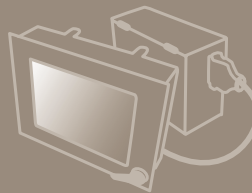


# ARTIS COMPACT UNIT 6

# COMPACT UNIT 6

COMPACT MONITORING.  
EASY OPERATION.  
INEXPENSIVE.  
EASY TO RETROFIT.

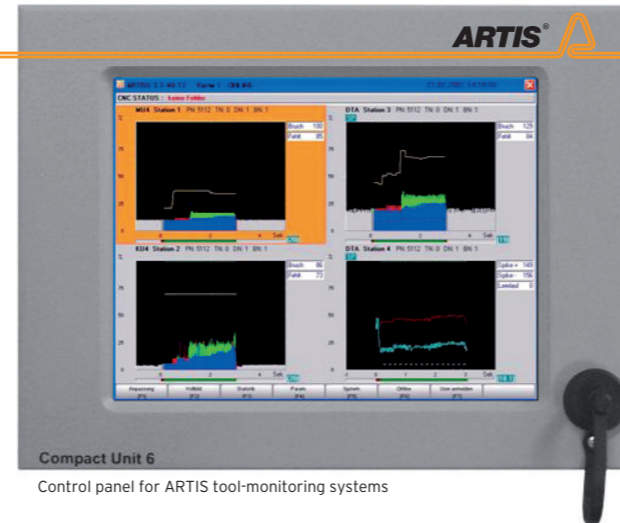


The new **Embedded Unit** from ARTIS.

# VERY FLEXIBLE.

## The benefits of the ARTIS Compact Unit 6

- >>> inexpensive and easy to retrofit
- >>> no hard disc (flash disc)
- >>> holds CTM card
- >>> tough control panel
- >>> integrated VNC server
- >>> Windows XP Embedded operating system
- >>> touch mode
- >>> replaces ARTEC System/Compact 4
- >>> older ARTIS System generations can be easily exchanged (STM, ARTEC, MTC)



Compact Unit 6  
Control panel for ARTIS tool-monitoring systems

# INTELLIGENT SOLUTIONS BY ARTIS.

## Application

Equipped with a TFT colour screen, the **Compact Unit 6** can be used to display monitoring results and to enter monitoring parameters.

The colour display of the readings makes it easier to interpret the monitoring results.

The **Compact Unit 6** with control panel is used particularly in production plant where the tool-monitoring system either cannot or is not required to be integrated in the control panel of the NC control system.

## Easy-to-use monitoring system

The **Compact Unit 6** is an embedded PC that is particularly suitable for use in areas of industrial production.

The PC has one PCI slot available for card-based ARTIS tool-monitoring systems.

Equipped with the CTM card, the **Compact Unit 6** is an easy-to-use tool-monitoring system with up to 4 monitoring channels.

Each channel monitors a metal-cutting unit (spindle or feed axis) or, if the channel is used for monitoring the machine status, a spindle bearing, for example.

The CompactFlash disc with 2 GB of memory adds to the storage capacity of the monitoring cards used (CTM statistics).

It is a platform for Windows applications (teleservice, VPN, etc.).

# COMPACT UNIT 6

## COMPACT UNIT 6 IN THREE VERSIONS:

### Compact Unit 6 - Retrofitting I + II

- >>> independent of control system
- >>> easy to integrate
- >>> inexpensive to retrofit
- >>> ideal for retrofitting measures on older machines

### Compact Unit 6 - PC as stand-alone unit III

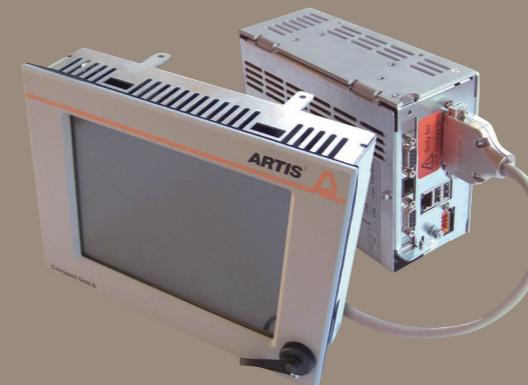
- >>> universal solution for SIEMENS
- >>> no open control systems necessary
- >>> for general integration of the CTM system in SIEMENS SL control systems with TCU, Fanuc control systems with panel-type operating units (Windows XP Embedded) or Heidenhain with 2-processor control system (iTNC550)
- >>> when used on the Solution Line with TCU, the unit allows the continued use of PLC projects, CTM incorporation remains the same
- >>> no switch cabinet cut-out because the screen for the control system is used
- >>> no ventilator

### I Retrofitting



Integrated unit with touch screen and PC unit with CTM card

### II Retrofitting



PC unit with CTM card (in switch cabinet), with remote touch screen up to a maximum 20m of cable

### III Stand-alone PC



PC unit with CTM card (in switch cabinet), visualization, e.g. via TCU of the Siemens SL

# TECHNICAL SPECIFICATIONS FOR COMPACT UNIT 6

Dimensions / separate components / panel	195 mm W x 148 mm H x 45 mm D
Dimensions / separate components / PC unit	186 mm W x 140 mm H x 80 mm D
Assembly cut-out	187 mm W x 141 mm H
Weight / screen	1.3 kg
Weight / computer	1.5 kg
Vibration	Admissible up to 1g at 17-500 Hz full amplitude
Operating temperature	0 - 50 C°
Relative humidity	5 - 85% without condensation water formation
Housing material	Front panel - aluminium Housing - galvanized steel plate
Protection class	IP 65 at front acc. to DIN EN 60529
Registration	CE
Voltage supply	24 V DC (±) 15% (18 - 32V DC)
Current consumption	max. 2A
Monitor	Colour monitor, 6.4" TFT display, 640 x 480 pixels
Operation	Touch control on screen
CPU	Intel Celeron M 600 MHz processor
RAM	256 MB SDRAM DIMM module
Hard disk	2GB CompactFlash disc
Free slots	1 x PCI (up to 160 mm long)
Operating system	Windows XP Embedded
ARTIS visualization	CTM
Interfaces	1 USB connection at front (with screw connection on panel)
Interfaces	2 USB connections on PC Onboard graphics (external videobus) 1 Ethernet 10/100
Attachment/installation / cut-out for the panel	6 mounting blocks to allow attachment in the switchboard Required space for circulating air 20 - 40 mm in the closed housing Top hat rail assembly for the PC unit

All informations are general descriptions of our products only.

They are no conditions of goods or guarantees in the sense of paragraphs 434/443 of the German Civil Code and they are not constituting any liability.

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**Simply better interpretation** of monitoring results with the Compact Unit 6.