



GNT 7202 BEHIND TAPE READER



GENERAL

Many older machine tools are equipped with a controller that has little or no memory capacity. This usually means that the controller is dependant on an older model paper tape reader, which often requires frequent maintenance or even replacement. Furthermore, such older controllers are not typically equipped with a serial interface for external communication. Such a machine tool is not likely to pass the flexibility and efficiency requirements for modern production environment, despite the fact that its performance remains accurate and reliable.

REASONS FOR THE GNT 7072

There, therefore are two fundamental reasons why GNT has developed the GNT 7202 BTR.

- To provide a maintenance free replacement for older paper tape reader.
- To provide a means to integrate older model NC machine tools with more modern machines in a DNC system.

WHAT IS THE GNT 7072

The GNT 7202 is an electronic device that is designed to be mounted inside the NC support since all control occurs remotely. Power must be supplied from external source, either from your controllers power supply or from a standard power outlet in the machine shop. The GNT 7202 comes with four connectors for communication:

- A Host Connection.
- A Punch Connection.
- A Reader Connection.
- An Emulator Connection.



The Host Connection allows you to enter NC programs into the memory of GNT 7202 from your DNC system, your PC, or any other RS-232C device. The Punch Connection lets you receive data from the controllers paper tape punch output and transmits it to the device at the Host Connection (such as the DNC Control Workstation).

THE READER UNIT

The Reader Connection supports a modern paper tape reader, thus allowing you to continue to use paper tape. Although either the Reader Connection or the Host Connection would typically be predominant as input channel to the memory of the GNT 7202, they are not mutually exclusive. The Emulator connection performs the actual tape reader emulation; it is the replacement for your old tape reader. Once you load the NC program into the memory of the GNT 7202, it transmits the data electronically to the controller.

To run the same NC program multiple times, you only have to restart the job at the controller. Since the program is still in the memory of the GNT 7202, it remains available until you run a different program. The GNT 7202 also includes features that allow you to do remote testing, upload the current memory contents of the GNT 7202, and verify or change the GNT 7202's software setup parameters.

The GNT 7202 is equipped with 32 Kbytes of RAM (Random Access Memory) as standard and 128 Kbytes as an option. It can contain one NC program or a fixed sequence of programs. The GNT 7202 offers a flexible approach as a replacement of older tape readers used to input NC programs to NC controllers. Its design and flexibility lets you tailor the GNT 7202 to run with almost any NC controller on the market.



TECHNICAL SPECIFICATIONS

DIMENSIONS:	(Measurements)
Height	1.77"
Width	13.39"
Length	N/A
Weight	2.8lbs
ENVIRONMENT	(Temperature)
Ambient operating	+5 to +40°C
Ambient storage	-25°C to +70°C
Humidity	N/A
CONNECTIONS	(Details)
Reader Connection	RS-232C
Punch Connection	RS-232C/Parallel
Conversion	From EIA to ASCII