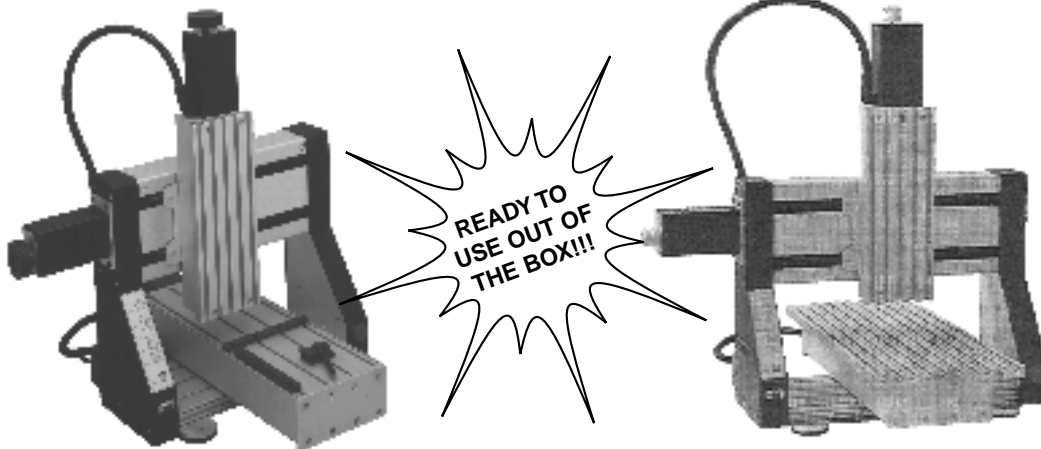


FEATURES

- ◆ Choice of 8" x 10" x 5" or 10" x 12" x 3.5" work envelope
- ◆ The system includes a T-slotted work surface, 2 cam clamps, 2 clamp bars (page 131), and a 900 Watt variable high-speed spindle (page 128)
- ◆ 16 mm diameter ball screw with 4 mm screw pitch on X, Y and Z axes, adjusted for zero backlash operation
- ◆ CNC and DNC programming via RS232 interface
- ◆ T-slotted Z-axis face plate for easy mounting of optional tooling on 8" x 10" and 10" x 12" models
- ◆ 3-axis linear and 2-axis circular interpolation
- ◆ 1 Relay output
- ◆ 32 kB RAM for program storage of up to 600-line program in unit
- ◆ Can be programmed in both incremental and absolute coordinates
- ◆ Comes fully assembled and ready-to-use, including RS232 cable
- ◆ Includes 900 watt spindle, cam clamp and bars, and software-controlled 120V AC relay



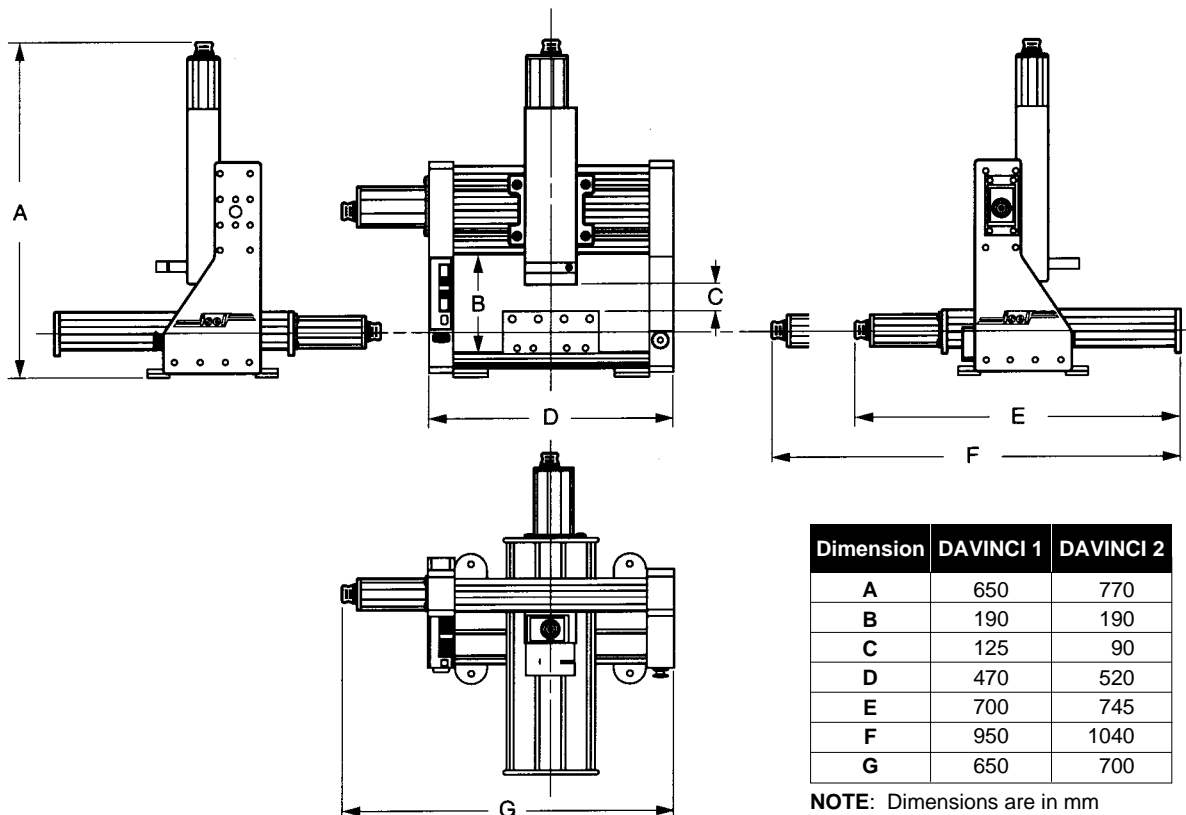
DAVINCI 1
8" x 10" x 5"
(80 lbs)

DAVINCI 2
10" x 12" x 3.5"
(95 lbs)

The DaVinci CNC Production Center is a 3-axis stepper motor-driven unit which incorporates an enclosed linear bearing system with **ground steel rails** and **recirculating bearings**, as well as **anti-backlash ball nuts** and **ball screws**. This mechanical system provides durable play-free motion that is rigid and stiff enough for cutting, engraving, milling, routing, dispensing, inspection, etc. The DaVinci has all drive electronics built-in so that no separate controller is required. The DaVinci's size and weight mean it is both compact and sturdy, making it ideal for any number of CAD/CAM applications. Programming can be done using the easy-to-use, English-based, PAL software which comes with the system. It can also be programmed directly with ASCII codes. Interfaces, including HPGL and G-Code, are also available.

CATALOG NUMBER

- DAVINCI 1: **HL33SBM242510 (8" x 10" x 5")**
 DAVINCI 2: **HL33SBM242512 (10" x 12" x 3.5")**



Dimension	DAVINCI 1	DAVINCI 2
A	650	770
B	190	190
C	125	90
D	470	520
E	700	745
F	950	1040
G	650	700

NOTE: Dimensions are in mm

2 MACHINES & SLIDES

SPECIFICATIONS	DAVINCI 1	DAVINCI 2
Travel	200 x 250 x 125 mm (8" x 10" x 5")	250 x 300 x 90 mm (10" x 12" x 3.5")
Weight	36 kg (80 lbs)	43 kg (95 lbs)
Dimensions	950 x 650 x 650 mm (37" x 26" x 26")	1040 x 700 x 770 mm (41" x 28" x 30")
Repeatability	≤ 0.01 mm (≤ .0005 in) per axis	
Accuracy	≤ 0.05 mm (≤ .002 in) per axis	
Vertical Static Load Capacity	6.8 kg (15 lbs)	
Single Axis No Load Speed	0.3 – 60 mm / sec (.1 – 2.36 in / sec)	
2-Axis Interpolation Speed	0.3 – 40 mm / sec (.1 – 1.58 in / sec)	
Resolution	0.01 mm (.0004 in)	

NOTES ON SPECIFICATIONS: Stepper motor is model HL2100M473030, operating in half-step mode, with 3.1A / phase, 40V chopper driver.