

Specifications

The Roland CAMM-1 Pro Series



Specifications

		GX-500	GX-400	GX-300
Mechanism		Media-movement method		
Driving method		Digital control servo motor		
Maximum cutting area		Width: 1195 mm (47 in.) Length: 24998 mm (984-1/8 in.)	Width: 1000 mm (39 in.) Length: 24998 mm (984-1/8 in.)	Width: 737 mm (29 in.) Length: 24998 mm (984-1/8 in.)
Acceptable media widths		Min. 90 mm (3-1/2 in.) / Max. 1372 mm (54 in.)	Min. 90 mm (3-1/2 in.) / Max. 1178 mm (46 in.)	Min. 50 mm (2 in.)/ Max. 915 mm (36 in.) (50 to 540 mm (2 in. to 21 in.), 582 to 915 mm (23 in. to 36 in.))
Width of material that can be cut off		0 to 1270 mm (0 in. to 50 in.)	0 to 1067 mm (0 in. to 42 in.)	0 to 812 mm (0 in. to 32 in.)
Tools		Special blade for CAMM-1 series		
Maximum cutting speed		During cutting: 850 mm/sec. (in all directions) During tool-up: 1202 mm/sec. (in 45° direction)		
Cutting speed		10 to 850 mm/sec. (in increments of 10 mm/sec.)		
Blade force		20 to 350 gf		
Mechanical resolution		0.0125 mm/step (0.000492 in./step)		
Software resolution		0.025 mm/step (0.000984 in./step)		
Distance accuracy (*1)		Error of less than ± 0.2% of distance traveled, or 0.1 mm (0.00394 in.), whichever is greater		
Repetition accuracy (*1)(*2)(*3)		0.1 mm or less		
Interface		Serial (RS-232C-compatible), USB (Rev 1.1)		
Replot memory		2 MB (buffer size: 8 MB)		
Instruction system		Dedicated system (CAMM-GLIII-compatible)		
Power supply		AC 100V to 240V ± 10% 50/60 Hz 1.2A		AC 100V to 240V ± 10% 50/60 Hz 1.1A
Power consumption		Approx. 100W		Approx. 95W
Acoustic noise level		Cutting mode: 62dB (A) or less Standby mode: 40dB (A) or less (according to ISO 7779)		
Dimensions	Main unit	1602 mm (W) x 264 mm (D) x 398 mm (H) (63-1/16 in. (W) x 10-3/8 in. (D) x 15-11/16 in. (H))	1407 mm (W) x 264 mm (D) x 398 mm (H) (55-3/8 in. (W) x 10-3/8 in. (D) x 15-11/16 in. (H))	1144 mm (W) x 264 mm (D) x 398 mm (H) (45-1/16 in. (W) x 10-3/8 in. (D) x 15-11/16 in. (H))
	With stand	1602 mm (W) x 727 mm (D) x 1113 mm (H) (63-1/16 in. (W) x 28-5/8 in. (D) x 43-13/16 in. (H))	1407 mm (W) x 727 mm (D) x 1113 mm (H) (55-3/8 in. (W) x 28-5/8 in. (D) x 43-13/16 in. (H))	1144 mm (W) x 727 mm (D) x 1113 mm (H) (45-1/16 in. (W) x 28-5/8 in. (D) x 43-13/16 in. (H))
Weight	Main unit	35 kg (77.2 lb.)	31 kg (68.3 lb.)	26 kg (57.3 lb.)
	With stand	55 kg (121.2 lb.)	51 kg (112.4 lb.)	44 kg (97 lb.)
Operating temperature		5 to 40°C (41 to 104°F)		
Operating humidity		35 to 80% (non-condensing)		
Accessories		Power cord, blade holder (XD-CH2), pin, blade, alignment tool, cable clamp, replacement blade for separating knife, USB cable, Roland software package CD-ROM, setup guide, user's manual		

*1

According to material and cutting conditions as specified by Roland DG Corp. (refer to the following page).

*2

Excluding stretching/contraction of the material

*3

Range for assured repetition accuracy

For materials with a width exceeding 610 mm (24 in.): Length 4,000 mm (157-7/16 in.) (GX-500/400 only)

For materials with a width of 610 mm (24 in.) or less : Length 8,000 mm (314-15/16 in.)