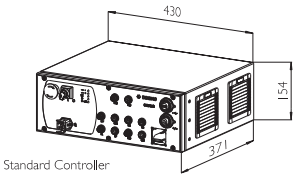
DOMINO

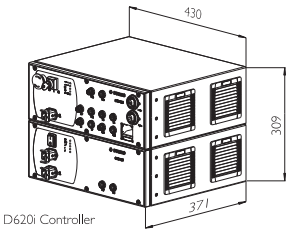
Technical Specification:

	D120i	D320i	D620i
Laser Type	Sealed-Off CO2 Laser, 30,000 hours MTBF		
Laser Wavelength	10.6µm typical (9.3µm as Blue Tube and 10.2µm as Red Tube option available)		
Laser Power	10W (approx. 8W for Blue Tube option @ wavelength of 9.3µm)	30W (approx. 20W Blue Tube (9.3µm); approx. 28W Red Tube (10.2µm))	60W
Marking Features			
Characters per Second	800*	1500*	2000*
Product Line speed	200m/min.* 650ft/min.*	400m/min.* 1300ft/min.*	600m/min.* 1970ft/min.*
Number of Lines of Text	As many as desired*	As many as desired*	As many as desired*
Character Height	0.6mm to size of marking field	0.6mm to size of marking field	0.6mm to size of marking field
Fonts	24 fonts, multi-language including Unicode	24 fonts, multi-language including Unicode	24 fonts, multi-language including Unicode
Marking Field &	58 x 58, 68 x 68, 84 x 84, 102 x 102, 136 x 136, 180 x 180mm	58 x 58, 68 x 68, 84 x 84, 102 x 102, 136 x 136, 180 x 180mm	58 x 58, 68 x 68, 84 x 84, 102 x 102, 136 x 136, 180 x 180mm
Focal Length	80, 100, 120, 150, 200, 250mm	80, 100, 120, 150, 200, 250mm	80, 100, 120, 150, 200, 250mm
User Interface	Web Browser-based Graphical User Interface (GUI) (optional ***TouchPanel*** available) WYSIWYG entry, control language in English, German, French, Czech, Danish, Spanish, Finnish, Greek, Hungarian, Italian, Japanese, Dutch, Portuguese, Polish, Chinese, Korean, Romanian, Russian, Swedish, Slovak, Turkish, Arabic		
Operating System	Windows CE		
Marking Software	Dynamark III Laser Marking Software		
Scan Head	**i-Tech** Scan Head, mountable in various orientations including axial and radial		
Laser Head	Stainless steel and anodised aluminium construction		
Weight & Dimensions	16.5kg 681 x 140 x 180mm** 36.4lbs 26.8 x 5.5 x 7.1in*	22kg 776 x 140 x 180mm** 48.5lbs 30.5 x 5.5 x 7.1in	27.3kg 846 x 140 x 180mm** 59.5lbs 33.3 x 5.5 x 7.1in (IP65) 30kg 946 x 140 x 180mm** 66.1lbs 37.2 x 5.5 x 7.1 in
Control Cabinet	Stainless steel construction	Stainless steel construction	Stainless steel construction
Weight & Dimensions	14.5kg, 430 x 371 x 154mm (WxDxH) 32lbs 16.9 x 14.6 x 6.1in (IP55) 17.5kg, 541 x 401 x 229mm (WxDxH) 38.5lbs 21.2 x 15.7 x 9 in	14.5kg, 430 x 371 x 154mm (WxDxH) 32lbs 16.9 x 14.6 x 6.1in (IP55) 17.5kg, 541 x 401 x 229mm (WxDxH) 38.5lbs 21.2 x 15.7 x 9 in	27kg, 430 x 371 x 309mm (WxDxH) 60lbs 16.9 x 14.6 x 12.1in (IP55) 34kg, 541 x 401 x 458mm 74lbs 21.2 x 15.7 x 18 in
Conduit Length	4.5m (14.8ft), 9m (29.5ft) optional	4.5m (14.8ft), 9m (29.5ft) optional	4.5m (14.8ft), 9m (29.5ft) optional
Inputs & Outputs			
Product Detect Inputs	NPN / PNP / 24 V – Sensor		
Product Speed Detect	Shaft Encoder (differential) or Steady Signal		
Signal Inputs			
Signal Outputs	Laser Ready, Busy Signal, fume extractor control, compressed air control		
Interfaces	RS232, Ethernet (10/100 MBit), USB Port		
Electrical Requirements	90-264V, 47-63Hz, 1050VA (D320i) / 2000VA (D620i)		
Environment			
Controller	Standard version (air cooled, fan) and IP55-version for higher protection		
Laser heads	Standard version (air cooled, fan) and IP65 version (compressed air cooled / water cooled (D620i))		
Environmental Standard	Operating Temperature 5° to 40° C / higher temperatures on request, (41° to 104° F)		
Operating Humidity	Max. 90% RH, non condensing		
Options	Aiming Beam, User Port Kit I/O, Fume Extraction Shroud, USB Image Backup/Restore Kit, Rack Mounting Kit, Daisy-Chaining, **i-Tech *RapidScan*** technology		

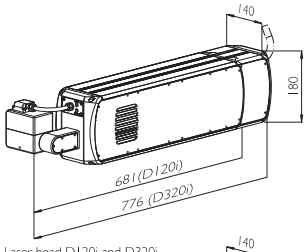
*Characters per second and production line speeds are substrate and code dependent **Dimensions measured overall for shortest version



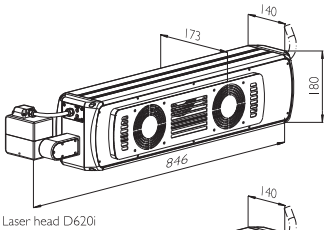
Standard Controller



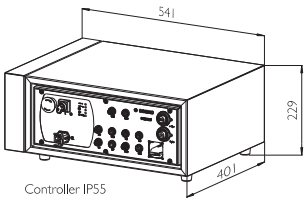
D620i Controller



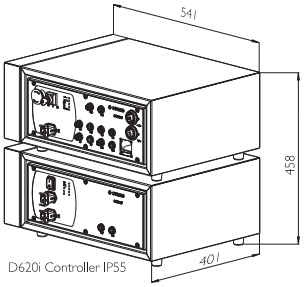
Laser head D120i and D320i



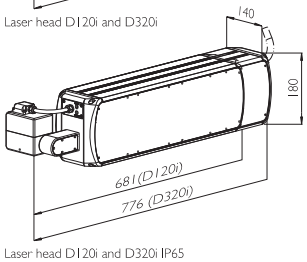
Laser head D620i



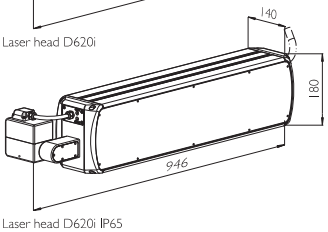
Controller IP55



D620i Controller IP55



Laser head D120i and D320i IP65



Laser head D620i IP65

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