

Curriculum Vitae of the machine Reference number: 26552



AMADA LCG 3015 AJ

SPECIAL OFFER

	Production Year:	2016
	Availability:	immediately
	Condition of the Machine:	functional, condition and wear and tear according to its age, well maintained can be seen running
	Disclaimer:	The Condition of the Machine assessment presented in this CV was either obtained from the last machine operator or is based on an inspection performed by our employee, just to provide you with as much information as possible. For more certainty we recommend your own check or an assessment of an independent mechanic. We cannot provide you with any machine guarantee.

More Details:

Maximum continuous laser power 2,000 W
X-axis travel 3,070 mm
Y-axis travel 1,500 mm
Z-axis travel 100 mm
Maximum table load 920 kg
Max. thickness – mild steel ST 1203 16 mm
Max. thickness – stainless steel 10 mm
Max. thickness – aluminum AlMg3 8 mm
Max. thickness – copper 4 mm
Max. thickness – brass 5 mm
Cutting speed 0–120 m/min
X-axis traverse speed 120 m/min
Y-axis traverse speed 120 m/min
Combined X/Y traverse speed 170 m/min
Z-axis traverse speed 80 m/min
Positioning accuracy ± 0.01 mm / 500 mm
Repeat positioning accuracy ± 0.005 mm
AMNC-F CNC control
CNC system featuring a cutting parameter library, automatic diagnostics, closed-loop laser power control, USB and Ethernet/LAN interfaces, program search, production time measurement and single-/multiple-part production modes. Programs can be edited at the machine; external programming of complex parts requires optional software.
Type AMADA AMNC-F
Display 15" touchscreen
Simultaneously controlled axes 3 (X/Y/Z)
Program format ISO/EIA
Input resolution 0.001 mm
Memory capacity 1 MB
Automatic pallet changer — Standard pallet system allows the next sheet to be prepared while cutting, reducing downtime. The supplied configuration includes pneumatic clamping for thin sheets and a roller support for positioning.
HS cutting head — Lightweight cutting head with capacitive height sensing to maintain a constant stand-off distance; quick nozzle and lens replacement.
Programmable Z axis — 100 mm travel, allowing limited processing of formed parts and profiles.
Positioning diode laser — Helps position the cutting head and process raised sheets or off cuts.
NC automatic focusing — Motor-driven focus adjustment for different materials and thicknesses.
OVS4 / OPCIA optical measurement system — Camera-based sheet position detection, cutout recognition and accurate edge-based position measurement (stated accuracy ± 0.05 mm).
High-pressure cutting — CLEAN CUT technology for clean, oxide-free edges and ALU CAT for aluminum cutting.

OilShot — Program-controlled application of liquid to the sheet surface to reduce adhesion of contamination.

POWER PIERCING — Reduces piercing time and improves operating efficiency.

Fine Edge power control — Adapts laser power to feed rate and part geometry, particularly at edges and corners.

Cutting lenses — Automatic lens monitoring; supplied set stated as three lenses with holders: 1 × 150 mm and 2 × 190 mm.

Fume extraction — Vacuum extraction of cutting fumes and particles with self-cleaning filters.

Chiller — Closed-loop cooling of the laser, focusing mirror, lens and drives.