

KEG

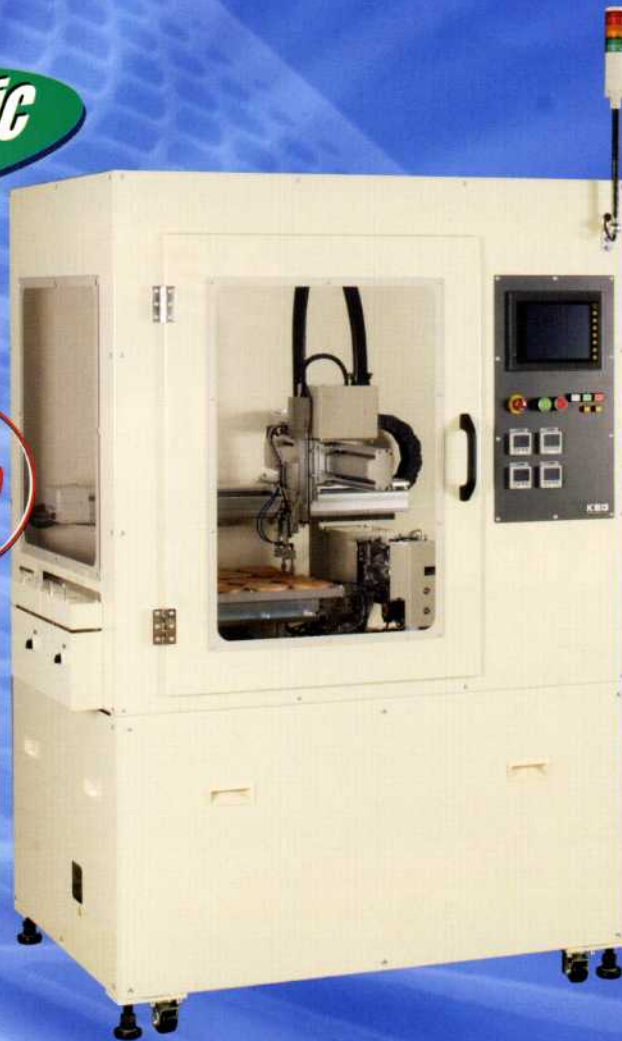
KAZAMA ENGINEERING Co., Ltd.

Full-Automatic

Gate Cutting Machine KGC-06

New

KGC-06 is an automatic gate cutting machine well adapted to plastic lenses, prisms and the like. The machine performs clean, high-speed and high-accuracy gate cutting for small-diameter lenses or prisms, which are hard to handle with human hand, and places them on the pallets cavity by cavity. Linked with the molding machine, gate cutting is carried out full-automatically.



Mechanical Features

Runner indexing unit	Optional indexing by a pulse motor according to the arrangement of works.
Cutting unit	Gate cutting by heated cutter blades. Two units provided as standard. Simultaneous double cutting stepping motor (50W).
Work transfer unit	Positioning of works at gate cutting and delivering them to the conveyance robot.
Work conveyance unit	Placing of works on trays cavity by cavity by XYZ (3-axis) robot. X=600, Y=400, Z=50 Two pallet blocks (440×220) When full, replacement during machine operation possible. 8 pallets (100×100). 16 smaller pallets possible.
Buffer unit	Six-shot buffering (varying with work circle diameter)
Work inverting unit	180-degree inversion depending on orientation on the pallet.
P&P unit	Transfer from buffer unit to runner indexing unit. Two hands ejecting cut runners out of the system.
Cleanliness	Class 1000 achievable with HEPA unit. Varies with the ambience of installation, however.
Safety	Safety cover, emergency stop.
Options	Static blowing unit, HEPA unit, receipt-from-molding-machine unit.

Control System

Control unit	Program logic controller, XYZ 3-axis controller, rotary actuator controller, 4-temperature control (individual cutting blade control), max. 180°C
Operation	LCD color touch panel, robot teaching from touch panel
Cycle time	3.5 sec. per lens (with simultaneous double cutting), varying with cutting conditions.
Current	200/220 VAC, optional at ordering
Air	0.5 MPa
Size/Weight	W1300 × D950 × H1850 / Approx. 330 kg



Loading and unloading of works are to be done manually. One operator can handle five or six of this machine simultaneously.

Semi-Automatic

Gate Cutting Machine KGC-05

KAZAMA ENGINEERING Co., Ltd.

1571-1 (Enrei-Rinkan Industrial Complex) Okaya City,
Nagano-ken 394-0055

TEL (0266) 23-1610 FAX (0266) 24-5057

URL <http://www.keg.co.jp>

※ The specifications of the model are subject to change for product improvement.