FULLY ENCLOSED FIBER LASER CUTTERS

KLD G Series

Configured for productive cutting.

Fully enclosed, exchange-table fiber laser cutting platforms from compact to large-format sheet.



G SERIES / COMPLETE PRODUCT VIEW

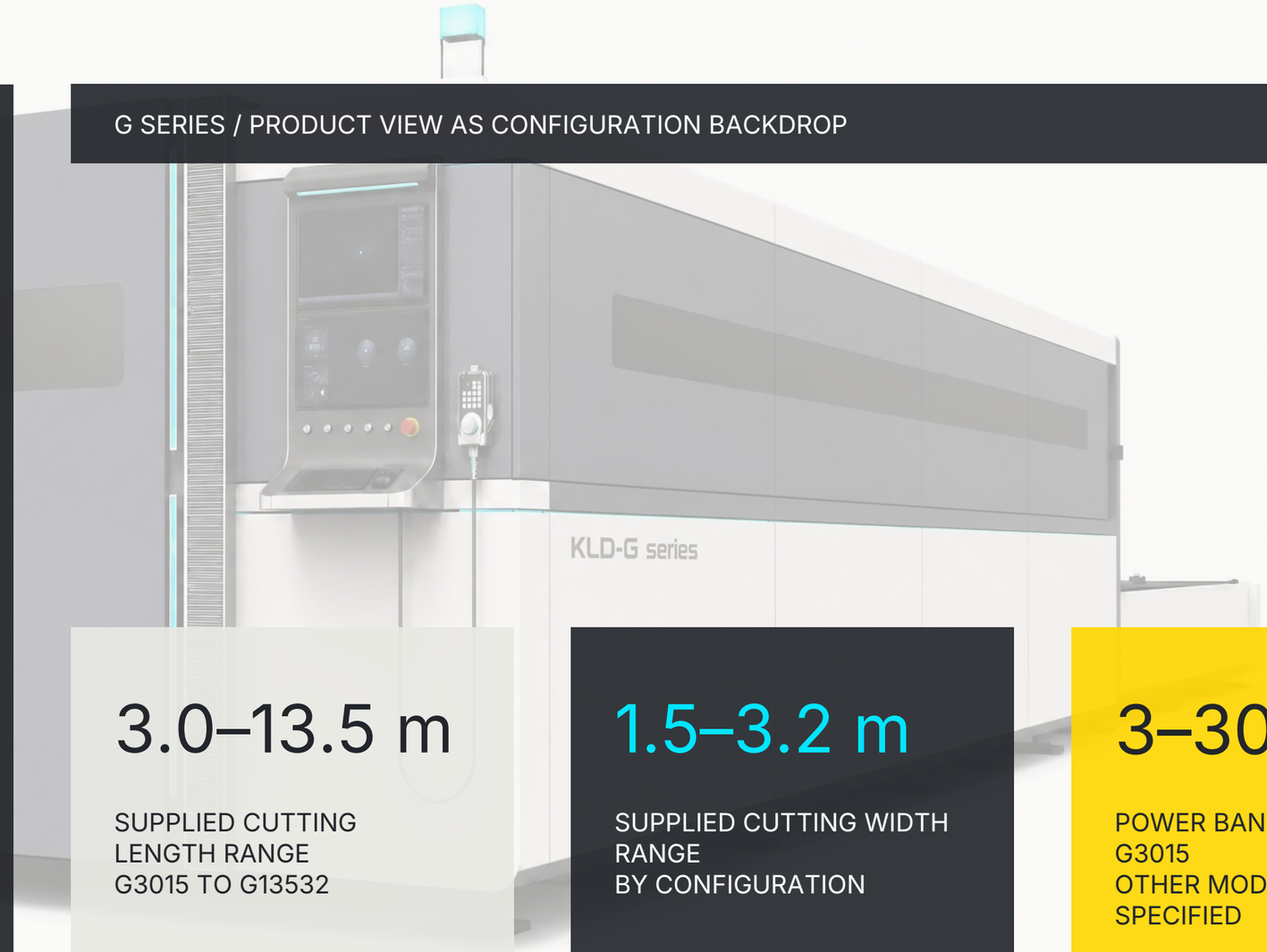
IMPORTER STARTING POINT

One enclosed platform, six formats.

Choose from compact 3×1.5 m cutting to large 13.5×3.2 m configurations in the supplied G-Series range. Start with sheet format, part mix, thickness and loading concept.

BUYER CHECK: FORMAT / POWER / MATERIAL FLOW.

G SERIES / PRODUCT VIEW AS CONFIGURATION BACKDROP



3.0–13.5 m

SUPPLIED CUTTING LENGTH RANGE
G3015 TO G13532

1.5–3.2 m

SUPPLIED CUTTING WIDTH RANGE
BY CONFIGURATION

3–30 kW

POWER BAND SHOWN FOR G3015
OTHER MODELS AS SPECIFIED

Enclosure, shuttle table & production flow.



EXCHANGE TABLE / PRODUCTION FLOW REFERENCE

WORKFLOW LOGIC

01 Cut within a fully enclosed working zone.

02 Exchange table supports parallel loading logic.

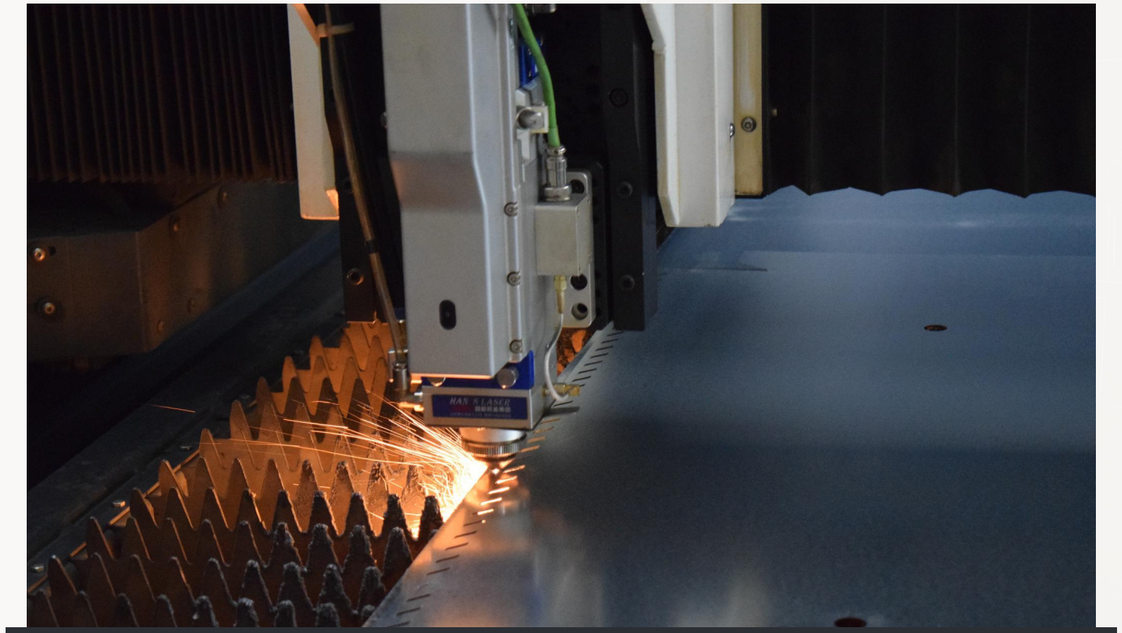
03 Link extraction, unloading and material staging.

Supplied data cites a 20-second exchange for G3015 and within 30 seconds for the 6025 model.

IMPORTER CHECK

Validate the complete cycle: material loading, table exchange, fume extraction, unloading and operator access.

Bed structure & manufacturing foundation.



PRECISION BED / SUPPLIED STRUCTURAL COMPONENT REFERENCE

SUPPLIED MANUFACTURING NOTES

Plate-welded bed constructed from high-quality carbon steel.

High-temperature annealing and natural aging described for stress relief.

Double-drive architecture specified across supplied configurations.

BUYER CHECK

Review floor loading, gantry travel, material thickness range and long-term precision expectations together.

Motion system & positioning discipline.

SUPPLIED MOTION DATA

±0.03 mm/m

X/Y POSITIONING PRECISION

±0.02 mm/m

X/Y REPEAT POSITIONING PRECISION

100 m/min is listed for G3015; 120 m/min is listed for supplied larger configurations.

VALIDATE SPEED AGAINST PART QUALITY



HIGH-PRECISION GEAR & RACK



PANASONIC SERVO MOTOR COMPONENT



DOUBLE-DRIVE REVIEW

Servo, reducer and rack are one chain.

Review dynamic performance, travel, accuracy and local service scope as one specification.

Laser source, cutting head & process readiness.



SOURCE CONFIGURATION

Raycus laser source is specified in the supplied G-Series configurations.
Power selection must be aligned to material type, thickness and cut-quality requirement.



CUTTING HEAD SCOPE

KLD customized cutting head.

G3015 data also lists Swiss Raytools.
Confirm actual head at order.

PROCESS FUNCTIONS IN SUPPLIED MATERIAL

- Auto-focus for multiple focal lengths and material thicknesses.
- Lightning piercing with monitored process and focus adjustment.
- Intelligent pressure adjustment referenced for supplied models.

CNC control & operator workflow.



CNC CONTROL / VISUALIZATION AND PROGRAMMING REFERENCE

CYPCUT IN SUPPLIED MODEL DATA

From setup parameters to cutting sequence.

01 Visual gas type and pressure settings.

02 Intelligent edge tracking and auto positioning.

03 Multiple-file import, auto sequencing and process graphics.

04 One-second edge finding referenced in supplied features.

BUYER CHECK: FILE TYPES / NESTING WORKFLOW / PROCESS LIBRARY / OPERATOR TRAINING / REMOTE SUPPORT SCOPE.

Safety, fume management & consumable readiness.

FULL ENCLOSURE

Protected cutting zone.

Supplied G3015 material describes a full protective cover for operator protection and pollution reduction.

FUME CONTROL

Partition exhaust & zoned removal.

Supplied 6025 information references independent high-sealing partition smoke exhaust and zoned dust removal.



UTILITIES

Gas & cooling scope.

Supplied data lists nitrogen for stainless steel and oxygen for carbon steel.
Hanli water chiller is listed as a KLD G3015 standard component.

BUYER CHECK: EXTRACTION ROUTING / AUXILIARY-GAS SUPPLY / ELECTRICAL LOAD / WATER-CHILLER SCOPE / LOCAL COMPLIANCE.

G Series configuration matrix.

Figures below are extracted from the supplied KLD G-Series material. Unspecified fields remain configuration-led.

MODEL	CUTTING AREA mm	POWER OPTIONS SHOWN	AXIS TRAVEL X / Y / Z mm	MAX. POSITIONING / POSITIONING / REPEAT
KLD-G3015	3000 × 1500	3 / 6 / 12 / 20 / 30 kW	3050 / 1550 / 200	100 m/min · ±0.03 / ±0.02 mm/m
KLD-G4020	4000 × 2000	3 / 6 / 12 / 20 kW	4050 / 2025 / 200	120 m/min · ±0.03 / ±0.02 mm/m
KLD-G6025	6000 × 2500	Confirm at enquiry	Confirm at enquiry	Exchange table within 30 s stated
KLD-G8025	8000 × 2500	Confirm at enquiry	8050 / 2025 / 200	120 m/min · ±0.03 / ±0.02 mm/m
KLD-G12025	12000 × 2500	3 / 6 / 12 / 20 kW	12050 / 2025 / 200	120 m/min · ±0.03 / ±0.02 mm/m
KLD-G13532	13500 × 3200	3 / 6 / 12 / 20 / 30 kW	13550 / 3250 / 200	120 m/min · ±0.03 / ±0.02 mm/m

CONFIGURATION NOTE

All models use a double-drive structure in supplied data. Final power, head, extraction and site interface remain subject to technical confirmation.

Project handoff & KLD contact.

SEND THIS WITH YOUR ENQUIRY

01 Material grade, thickness and quality requirement.

02 Sheet format, loading method and material flow.

03 Desired power, head, controls and gas strategy.

04 Extraction, electrical supply, installation and local compliance.

G3015 DOCUMENT: CE (TUV), FDA & ETL.
3-YEAR WARRANTY.

DEFINE THE RIGHT CUTTING PLATFORM

Specify the part. Validate the line. Proceed.

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