

INTEGRATED PRESS BRAKE AUTOMATION

KLD BendCells

Robotic Bending Cell

ENGINEERED FOR REPEATABLE, REGULAR-PART BENDING WORKFLOWS

Automation fit: regular parts.

KLD BendCells is designed for workpieces with limited variety and stable, recurring order patterns.

COMMON APPLICATION FIT

Door panels
Elevator components
Chassis & cabinets

BUYER CHECK: PART STABILITY & VOLUME



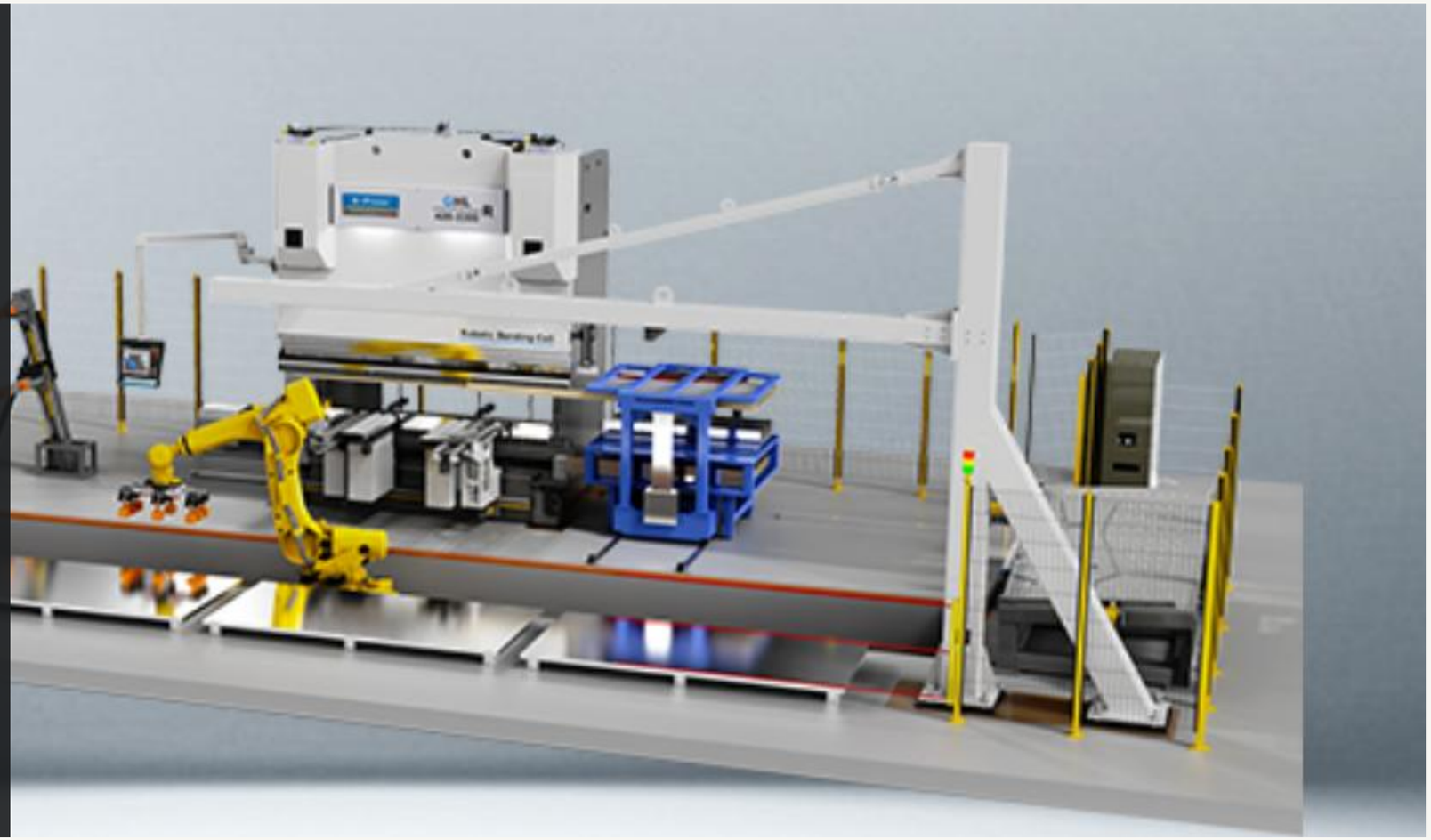
AUTOMATED CELL REFERENCE / REAL-WORLD PRODUCTION INSTALLATION

One integrated bending architecture.

STANDARD CONFIGURATION PATH

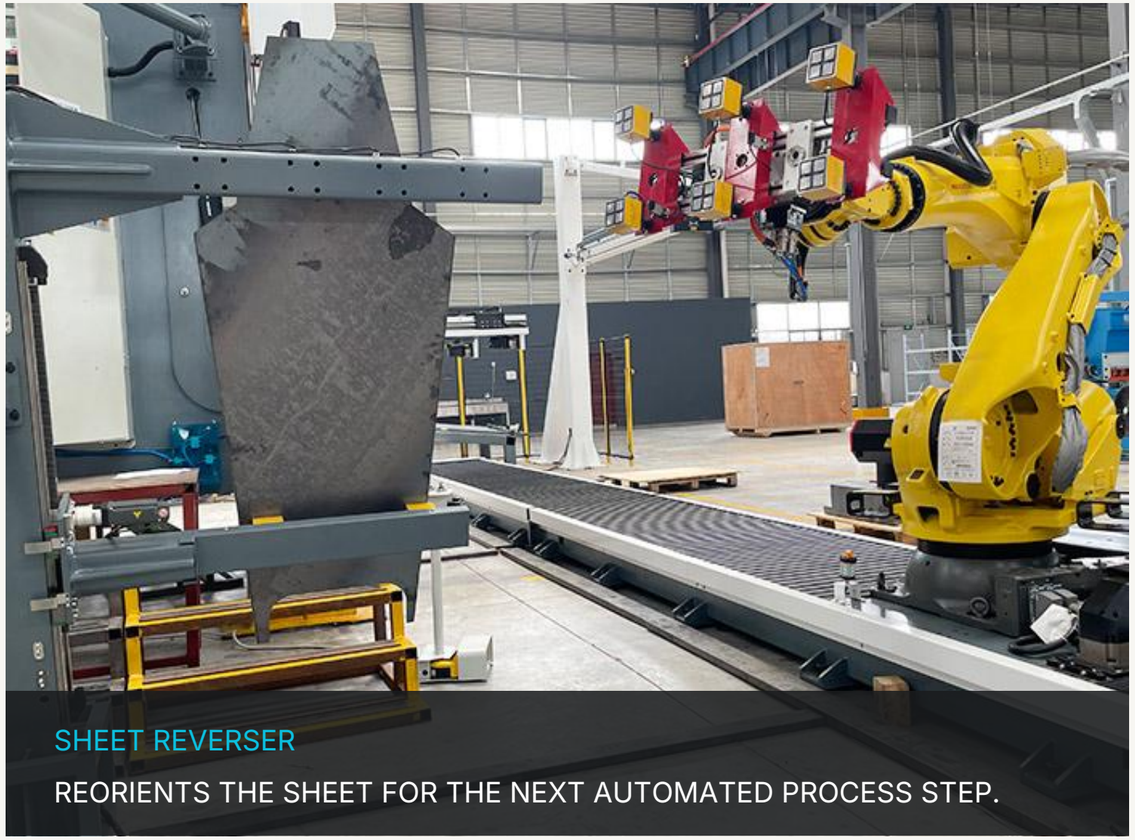
Sheet reverser
Press brake with automatic pushing device & 7th axis
Gripper store
Sensorized rear-gauge fingers
Gravity positioning unit
3D visual system

Specify the process equipment around the part family—not as isolated accessories.



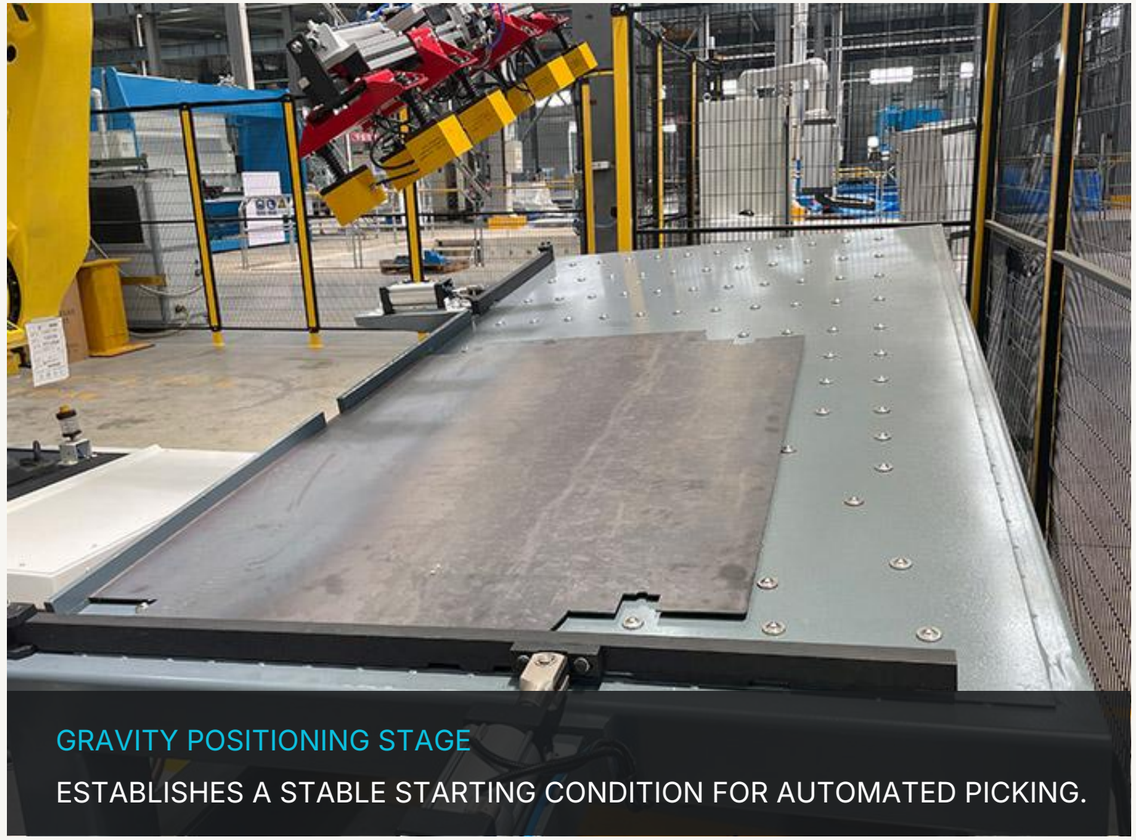
Part flow: orient, locate, bend.

Material presentation and reliable positioning are the foundations of repeatable unattended bending.



SHEET REVERSER

REORIENTS THE SHEET FOR THE NEXT AUTOMATED PROCESS STEP.

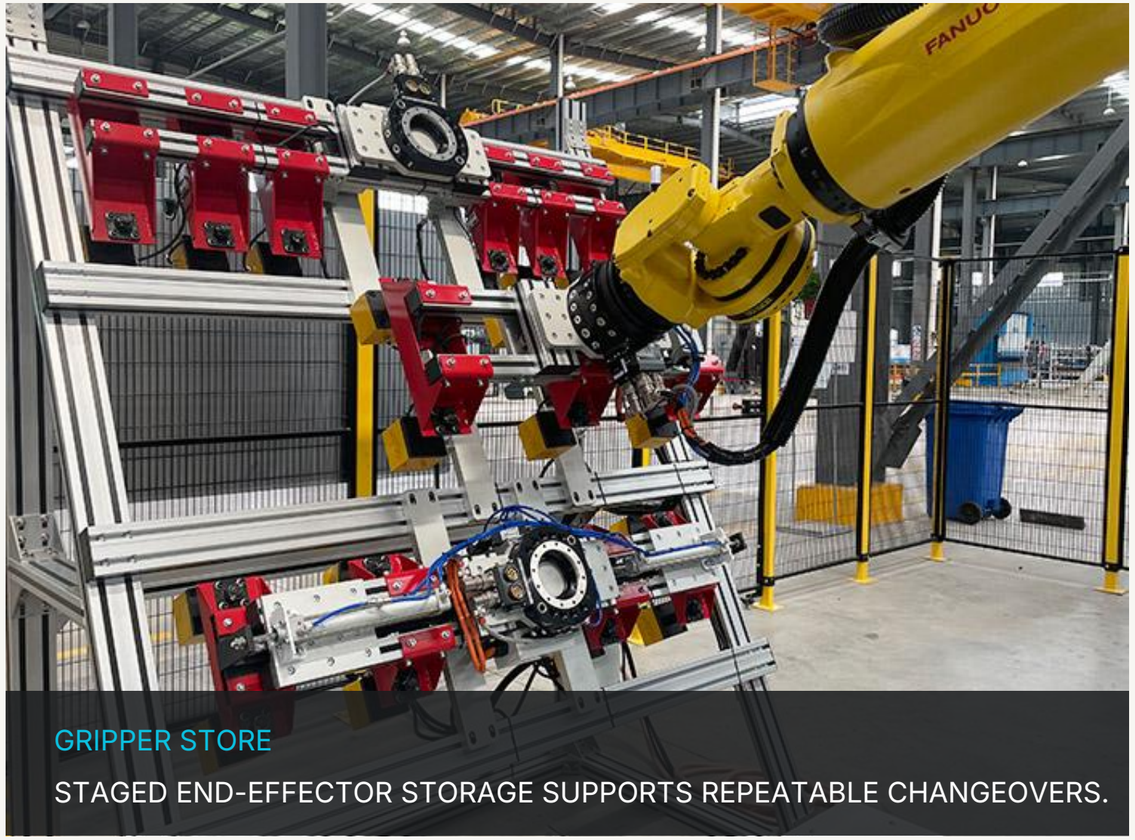


GRAVITY POSITIONING STAGE

ESTABLISHES A STABLE STARTING CONDITION FOR AUTOMATED PICKING.

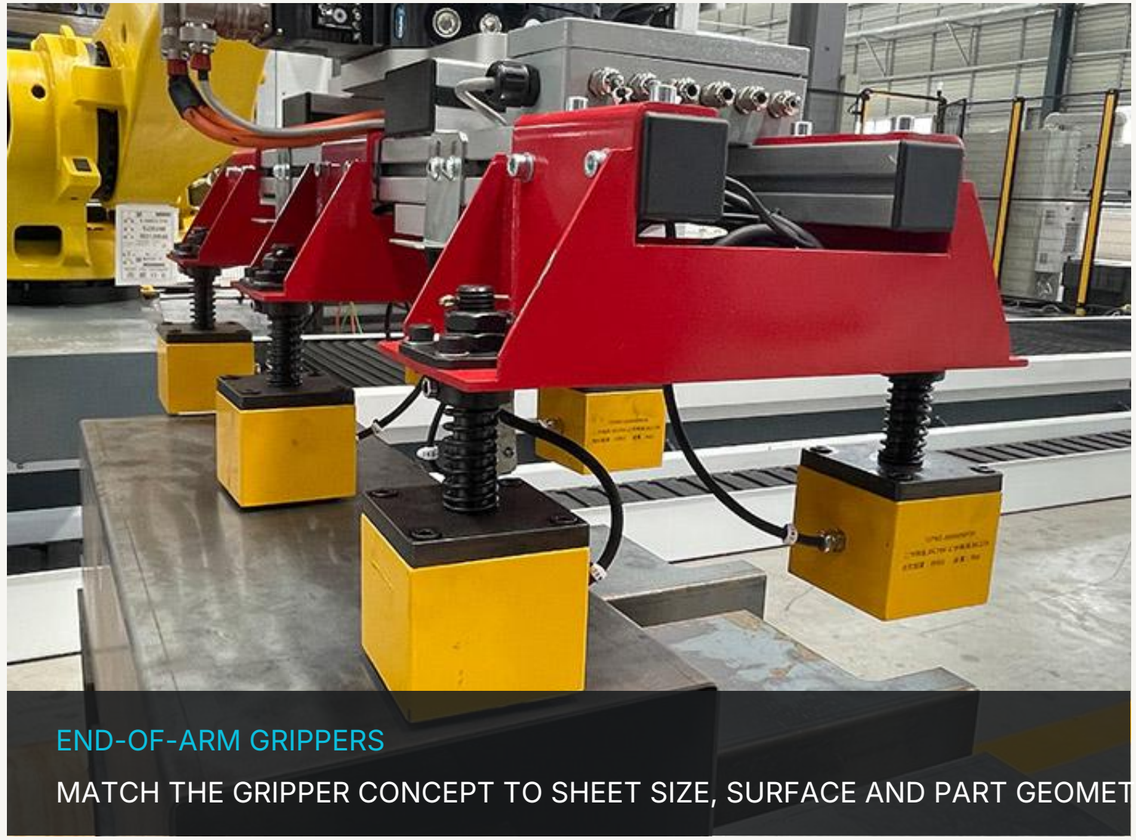
Vision and gripping for repeatable handling.

Specify end-of-arm tools and position-awareness against your full part range—not one sample component.



GRIPPER STORE

STAGED END-EFFECTOR STORAGE SUPPORTS REPEATABLE CHANGEOVERS.



END-OF-ARM GRIPPERS

MATCH THE GRIPPER CONCEPT TO SHEET SIZE, SURFACE AND PART GEOMETRY.

3D VISUAL SYSTEM / CONFIRM PART LOCATION AND HANDLING STRATEGY DURING PROJECT ENGINEERING.

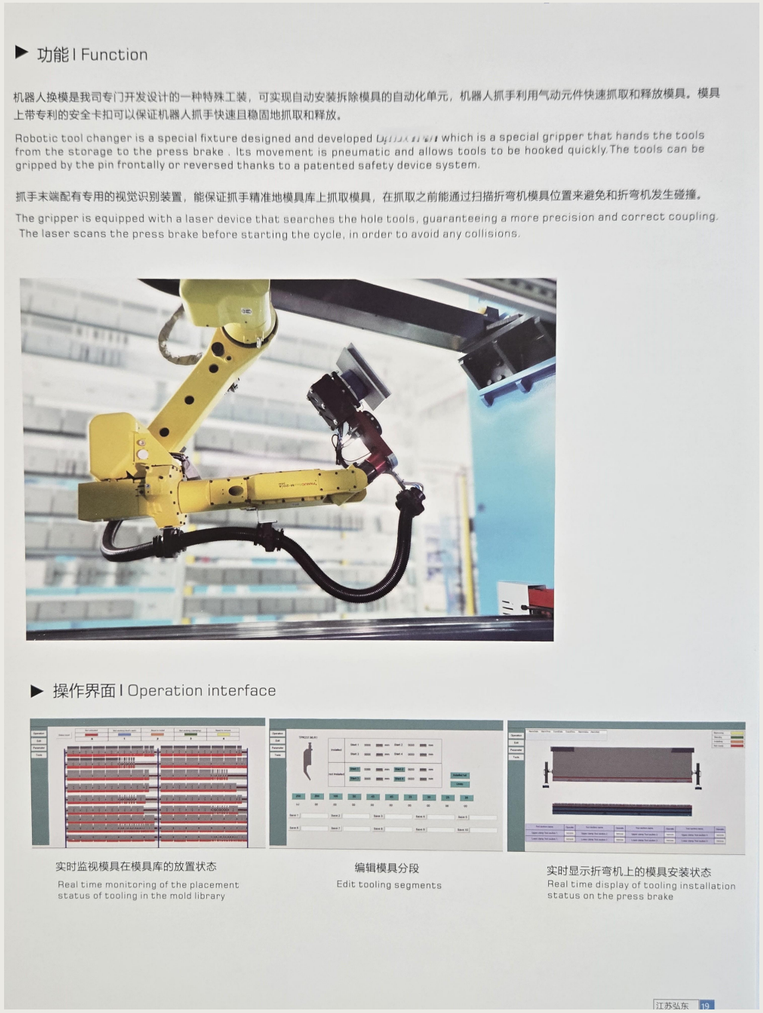
Robotic tool change, managed in real time.

The robotic tool changer moves upper and lower tools between the tooling store and press brake to address frequent tooling changes.

01 / TOOL STORE — Monitor real-time placement status.

02 / TOOL SEGMENTS — Edit tooling segment assignments.

03 / PRESS BRAKE STATE — Verify installation status before cycle start.



ROBOTIC TOOL CHANGER / SUPPLIED OPERATION REFERENCE

Technical range & order handoff.

TECHNICAL RANGE	SUPPLIED DATA
Press brake force range	250–4200 kN
Bending length range	3100–6100 mm
Maximum stroke range	150–400 mm
Daylight range	340–600 mm
Approx. workpiece max. weight	200 kg
Robotic max. load-bearing capacity	300 kg
Sheet metal stacking height	1800 mm
Air pressure	6–8 bar



CONFIGURE YOUR CELL WITH KLD

www.kld-machinery.com

info@kld-machinery.com

+86 134 0005 7689

HEADQUARTERS

No. 101 Tongtian Road, Jiangning District, Nanjing, China

SEND PART DRAWINGS, MATERIAL RANGE & TARGET CYCLE REQUIREMENTS.