

Multi-function line-scan test platform

LS-LATB series · Camera stands · 2 models

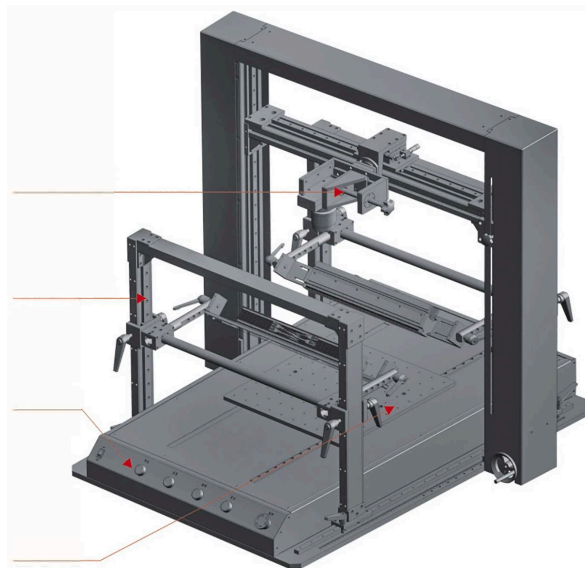
Multi-function line-scan experiment platform for evaluating line-scan hardware selection, imaging schemes and image software before a project starts. It is built from a camera fixing module, a light fixing module, a reciprocating motion platform (500 mm travel, up to 500 mm/s, products up to 600 mm wide), a signal input/output module and an optional rotary test module (LS-LATB300) for cylinder surfaces 6-100 mm in diameter.

Features

- Camera fixing module: XYZ adjustment rails (coarse), micro-positioning stage (fine) and a dedicated camera clamp (max opening 90mm) for precise positioning and alignment of line-scan cameras
- Light fixing module: two dedicated brackets on the rails adjust line-scan lights front/back, left/right and up/down; rotating structure allows any angle 0-360 degrees
- Reciprocating motion platform: servo control system with precision lead screw and guide rail, smooth and precise; travel 500mm, max speed 500mm/s, product width up to 600mm
- Signal input / output module: 6-pin and network cable outputs plus several IO ports for triggering and switching outputs
- Optional rotary test module (LS-LATB300) for surface inspection of cylinders; DC motor, speed manually adjustable; cylinder diameter 6mm-100mm

Applications

- Line-scan system evaluation: hardware selection, imaging scheme development, software verification
- Surface quality inspection of cylindrical parts (with the rotary module)



Models

Model	Motion travel	Max motion speed	Max product width	Camera clamp max opening	Light bracket rotation	Signal outputs	Modules
LS-LATB650	500mm	500mm/s	600mm	90mm	0-360 degrees	6-pin, network cable, multiple IO ports	Camera fixing, light fixing, reciprocating motion (servo), signal input/output, control
LS-LATB300	-	-	-	-	-	-	-

More values per model (Function, Drive, Cylinder diameter range) are on each product page.

Product views

