

A family of models including automatic, semi-automatic and manual systems.

Many options are available to configure systems to your requirements.

Model 161-C Manual System

Model 161-OA Manual System with Optical Alignment

Model 161-AA Semi-Automatic System with Automatic Alignment Based on Pattern Recognition

THE

Model 161C



Model 161-OA



ALL MODELS FEATURE

- Robust construction
- Simple operation
- Large exposure area
- Dual exposure drawers
- Air cooled lamp
- Touch-pad operator controls
- PLC control of automatic drawer insertion/ejection, exposure control, high speed shutter, timers and the shuttle mirror
- HEPA filter system to eliminate particles larger than 0.3µm
- All moving components pneumatically driven for reliability and cleaner operation
- Adjustable vacuum produced by simple venturi-type generators with no moving parts

TAMARACK COLLIMATED UV EXPOSURE SYSTEM FAMILY

Model 161-AA



Micro Adjust Drawer (M.A.D.)

A highly accurate means of aligning phototool to phototool, and panel to phototool within the exposure frame. X, Y, and theta adjustment controls make precision alignment easy.

- High alignment accuracy
- Excellent stability and repeatability
- Film or glass phototool compatibility
- Dual side exposure
- Multiple panel sizes
- Rapid phototool and panel size changeover
- Vacuum artwork retention
- Integrated registration pin assembly

Standard sizes:

18" x 24"
(457mm x 610mm)

24" x 28"
(610mm x 710mm)
Custom sizes available

Alignment control:

Manual

Alignment accuracy:

$\pm 0.0004"$ (10 μ m)
 $\pm 0.0002"$ (5 μ m)
standard on 161-AA,
optional on 161-OA

Alignment repeatability:

$\pm 0.0004"$ (10 μ m)
 $\pm 0.0002"$ (5 μ m)
standard on 161-AA,
optional on 161-OA

MODEL 161-OA

- Micro Adjust Drawers
- Optical alignment using 2 or 4 CCD cameras with motorized zoom lenses

MODEL 161-AA

- Automatic alignment of panel to artwork within $\pm 5\mu$ m using pattern recognition
- 2 or 4 camera system available.
- Easy to use recipe-driven software
- Fast set-up and product changeover