



FOR PANELS + DRAWERS

## Lesta Autonomous 3D Scanning and Carousel System

### Finish 50% more panels + drawers without hiring.

With a Lesta Autonomous 3D Scanning and Carousel System, you can maximize your current labor force to do more with less stress. Plus, you can be up and running Day One following installation.

- Automates program generation for various-sized drawers, panels, or boxes in real time without production interruption or human intervention
- Creates turn-key part handling and spraying solution
- Empowers painters to use their application knowledge so robot becomes an extension of themselves
- Perfects balance between robot and painter
- Allows precise control of painting parameters for gun distance, gun angle, path speed, spray pattern, and overlap
- Transfers parts cost-effectively within a small footprint
- Increases gun-on time
- Improves consistency and quality
- Reduces paint consumption
- Improves working conditions
- Optimizes costs and increases profit margins
- Built, integrated, and supported in the USA

LESTA USA  
DO MORE. MAKE MORE.



## HOW IT WORKS

### Lesta 3D Scanning and Carousel System

- Painter sets one-time optimized painting parameters for gun distance, gun angle, path speed, spray pattern, and overlap
- Painter creates one-time custom application recipes for each part with spray equipment and materials
- Operator places item to be painted on a platform
- Scanner sees the part and sends unique part geometry to Lesta software
- Software autonomously generates an optimized painting program with the painter's pre-selected painting parameters
- Lesta MV robot paints the part with the painter's pre-selected application recipe
- Lesta HMI allows painter to use their knowledge to adjust and fine tune spraying process during production
- Results in consistent finish for any drawer, panel, or box, regardless of part mix

### Programming with Self-Learning and Carousel System

- Use for complex furniture like chairs, tables, dressers, and headboards
- Painter teaches the self-learning robot how to paint a particular piece in real time
- Robot motors disengage quickly and easily to enter a weightless learning mode
- Painter can rotate part continuously or in set degrees to present the best angle for spraying even the most complex part
- Robot records every gun angle, trigger pull, part rotation, and selected painting pre-set and repeats it automatically on every part
- Customize rotation of parts while painting in real time
- Program is saved and used for consistency on future orders
- Lesta software or HMI allows painter to fine tune their programs and save optimized painting recipes such as speed, fan, atomization, and flow control

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#### DID YOU KNOW?

Automating a painting process is about more than a robot spraying parts. It's also automating part transfer to maximize the robot's potential and keep it spraying.