



FOR PANELS + DRAWERS

Lesta Carousel System and Autonomous Programming

Finish 50% more panels + drawers without hiring.

With a Lesta Carousel System and Autonomous Programming, 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 Carousel System and Program Generation

- 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
- Operator scans work order or enters part dimensions
- Scanner locates the part and sends position 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



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.