



Producing products with the Scorpion LDR and Lockdowel is simple and profitable. With a growing software integration, CNC Factory and Lockdowel are fully integrated into popular wood working software such as Cabinet Vision, Mozaik, Top Solid, Solid Works, Microvellum, imos and more. The Scorpion LDR finished products just slide or snap panels together. Fasteners are completely hidden when fully assembled. Get beautiful seamless looks while eliminating the need for glue, water and clamping. This is the winning combination of Lockdowel and the Scorpion LDR operator eliminating the physical attributes that go hand in hand with sheet fabrication (options and upgrades available).

The Scorpion LDR was designed for Lockdowel production including ergonomic robotic material staging and robotic loading. The Scorpion LDR is a key production point in the 3rd generation working production cell. Combining the Scorpion LDR and Lockdowel components you can reduce assembly time by 80% or more. With Lockdowel boosting over 100lbs of pull strength and is AWI compliant would you trust just any machine to produce amazing results.

Robotic lean manufacturing with the Scorpion LDR boost some of the latest in 3rd generation CNC control and work cell integration. The Scorpion boost 4 workstations, patent pending laser technology, easy user interface and reduces employee fatigue 50% with robotic staging and robotic material loading. Taking a closer look separates the Scorpion LDR from the generic boring machines and provides a integrated platform for growth in robotic lean manufacturing.



Rack and pinion gear movement on X and Y axes are used exclusively on all CNC Factory LDR Machines. Viewed as the top of the line gearing, offering the highest resolution control especially at high speeds with faster and smoother travel positioning times with precision linear guide rails on all axes. Acceleration and deceleration operations and accurate positioning within +/- .001" are delivered at every LDR station..

CNC Factory Scorpion LDR are equipped with powerful air cooled spindles. High speed spindles are internationally recognized for there quality, reliability and consistent performance during the most demanding environments. Powered with the industry leader Delta inverter and Delta servo drive system is the basis for our high speed "Precision Cutting." Fast, powerful and there when you need it, performance is what we put under our hood. 1,000 to 24,000 RPM with ceramic bearings.

SCORPION LDR Features

- ✿ Designed for LockDowel products with integrated 3rd generation robotics
- ✿ Laser guided robotic measuring for unmatched production and accuracy
- ✿ Dual 2HP 2400 RPM air cooled spindles with auto sensing and auto positioning
- ✿ High capacity adjustable material hold down with (8) 70 degree pneumatic clamps
- ✿ 4 auto sensing working zones and 2 dedicated spindles insures top level production
- ✿ 96" material working capacity insures one machine for all material sizes
- ✿ Dedicated Delta servos, inverter and gear reducing that's offers exciting and fast accuracy
- ✿ Dual large capacity Lockdowel clips and spring pin storage provides nonstop production
- ✿ Advance wireless bar code reader keeps operations simple and accurate
- ✿ Single person ergonomic designed working area with robotic material loading
- ✿ User friendly screen controls with manual or robotic modes including laser light measurements.
- ✿ 6500 lb. Heavy weight, solid structure, welded tubular steel frame including manual pre-stage area.

SCORPION LDR Technical

Robotic	Auto loading / Staging of material.
Foot print	102" width x 42" depth x 70" height
Repositioning	Acceleration and deceleration working and repositioning within +/- .001"
Voltage and air	220Volt, Single phase 30amp 60 hertz, 5 bar