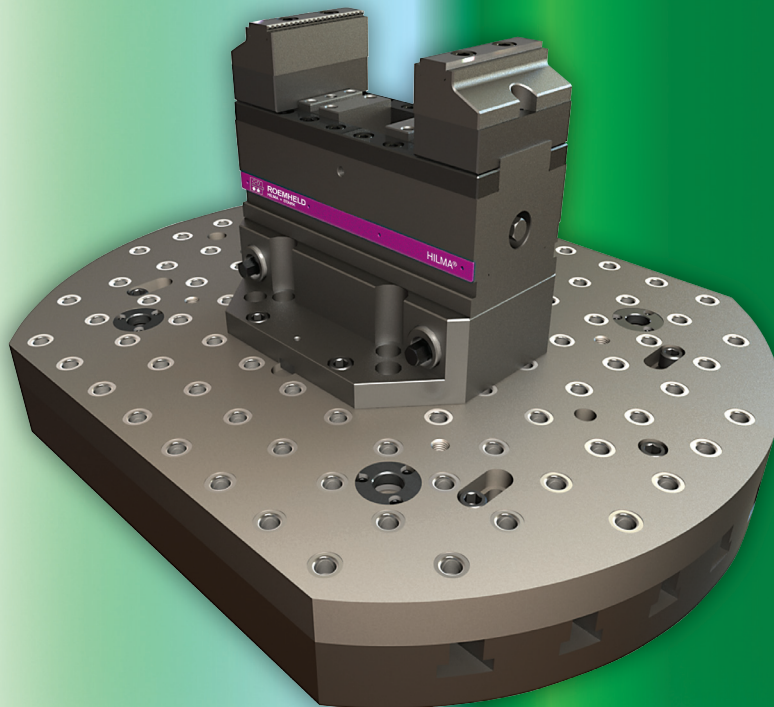


QUICK-CHANGE SOLUTIONS



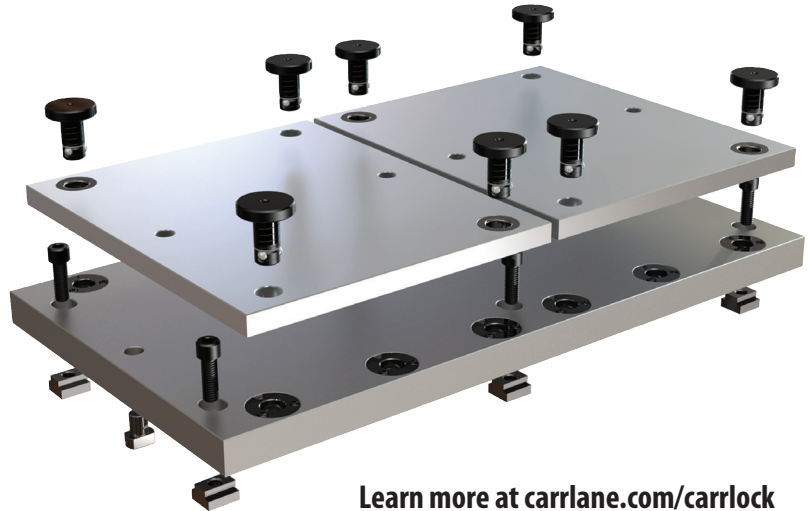
DISTRIBUTOR:



Fast Fixturing

Bring Accuracy & Speed To Your Production Line

- Exclusively made in the USA
- Provides considerable hold-down force, together with an incredible $\pm .0005$ inches repeatability!
- Accurately locates and clamps at the same time
- Ideal for mounting quick-change tooling on a subplate



Learn more at carrlane.com/carrlock

Plug these figures into the Payback Calculator on the back of this flier to calculate your savings!



Fixture Changeover Time (min)	Indication/Setup Time (min)	Avg. System Cost
5	0	\$3,500

PROBLEM:

"We are an aerospace prototype shop making the transition from prototype to production on an important UAV project. We've developed elaborate fixturing of all shapes and sizes. We found ourselves leaving our trim fixtures set up on a large gantry style table and then having to tear everything down when a large part came along to make way for it.

This tied up one of our most valuable spindles, and dust collection was nearly impossible. Change over and set up times were totally out of control."

SOLUTION:

"I discovered that I could combine 80% of our trim fixtures into just one fixture plate using just two Carr Lock® pins, with excellent locating ability and much better clamping than before.

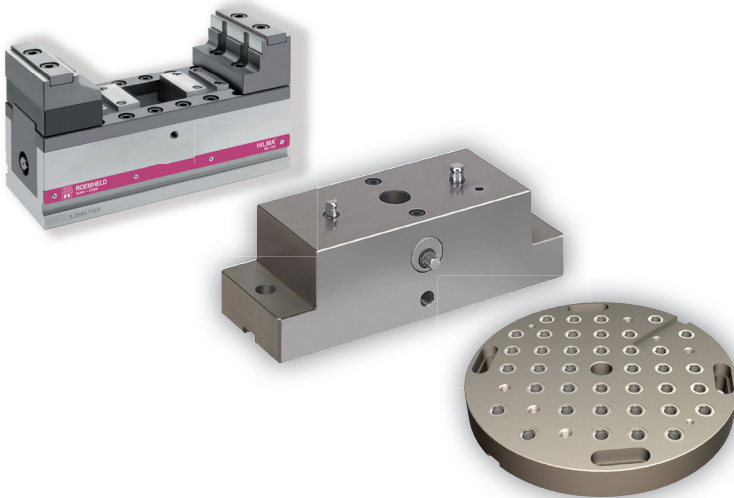
Our setup times have gone from an average of about 25 minutes to literally 30 seconds, thus saving us hundreds of hours."

*Peter Bowman
Production Manager/Mfg Engineer
Flying S. Inc.*



5-Axis Workholding

Quick-Change With No Adaptor Plates, Blocks Or Pallets Necessary



- Quintus fixture plates available as blank, or with multi-function holes
- German-built, extremely accurate precision vises
- Allows unrestricted tool access for multiple-side machining
- Numerous jaw types and sizes available
- Find out more at carrlane.com/CL5

Plug these figures into the Payback Calculator on the back of this flier to calculate your savings!

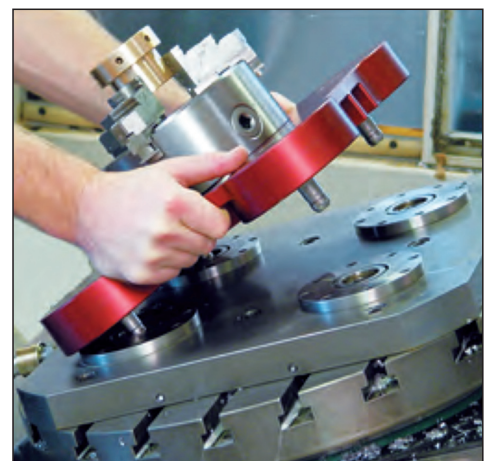


Fixture Changeover Time (min)	Indication/Setup Time (min)	Avg. System Cost
3	0	\$5,000

Zero Point Mounting System

Faster, More Accurate Fixture Set Ups

- Reduce set up time by as much as 90% with zero point mounting
- Existing fixtures can be easily adapted
- Highly accurate positioning and repeatability
- Fixture life extended
- Find out more at carrlane.com



Plug these figures into the Payback Calculator on the back of this flier to calculate your savings!



Fixture Changeover Time (min)	Indication/Setup Time (min)	Avg. System Cost
1	0	\$6,000

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PAYBACK CALCULATOR

Use the form below to calculate the savings you can realize by adding a Carr Lane Manufacturing Quick-Change System to your production setup.

System	Your System	<input type="checkbox"/> CarrLock® <input type="checkbox"/> CL5® <input type="checkbox"/> Zero-Point Mounting
Fixture Changeover Time	_____ minutes A	_____ minutes D
Indication/Setup Time	_____ minutes B	_____ minutes E
Total Set Up Time	_____ minutes (A+B) C	_____ minutes (D+E) F
Number of Setups Per Week	_____ G	
Shop Rate (\$/hr)	\$ _____ H	
Cost Per Week	\$ _____ (C*G*H/60) J	\$ _____ (F*G*H/60) K
Setup Cost Per Year	\$ _____ (J/52) L	\$ _____ (K/52) M
New System Cost <small>(Carr Lock® / CL5® / Zero Point Mounting)</small>	\$ _____ (Enter system cost listed in flier) N	
Annual Cost Savings	\$ _____ (L-M) P	
Payback Time	_____ weeks (N/(P/52))	



MANUFACTURING CO.

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DISTRIBUTOR: _____