

The New

GOLD STANDARD



AcraDyne's iCC Controller & UCX-AF Pulse Tool Platform



UNPRECEDENTED PRECISION

AcraDyne's new highly advanced Gen IV iCC Controller and new UCX-AF transducerized oil-pulse tool works together as a powerful, precision-driven system – delivering unmatched performance, efficiency, and ergonomics for demanding assembly applications.

Productivity

Speed Matters

Fast tool speeds of 4,800 RPM, and increased output of 7 - 12 fasteners per minute reduces cycle time per unit. Real-time Gen IV iCC data collection and reporting provides immediate feedback.

Ergonomics

Smooth Handling

Light weight, low-vibration, and quiet by design, the UCX-AF pulse tool keeps operators comfortable and productive throughout the shift.

Reliability

Intelligent Design

With fewer moving parts and advanced Gen IV iCC control technology, the UCX-AF delivers consistent performance, greatly extended maintenance cycles and dependable uptime.

Quality

Consistent Precision

Direct torque and angle control and monitoring at the square drive, combined with three-step fastening and advanced iCC data analytics, ensures quality results.



Gen IV iCC Controller

AcraDyne® Gen IV iCC Controller

A Division of AIMCO

State of the Art Technology for Ultimate Control of Your Assembly Process

Features

- Controlled tightening and consistent torque control improves quality
- Replace multiple conventional tools with one flexible controlled system
- One common communication for global data collection, line controls, and Field Bus platforms.
- Industrial touch screen
- Realtime rundown information displayed. Rundown storage - 1,000,000
- Web browser based programming
- Multiple fastening strategies - program up to 256 parameters with as many as 20 steps
- Jobs capability – 99. Event log - 5,000
- Backup & restore through USB or ethernet
- Real-time curve viewing. Curve storage - 20,000
- Free software - no hidden fees



UCX-AF600



UCX-AF Transducerized Pulse Tools

Enhanced Pulse Tool Precision with Torque Control and Angle Monitoring

Features

- **Highly Accurate:** Torque and angle sensors are located at tool's output shaft – dynamic torque is measured directly at the square drive. Three-step fastening results in much higher accuracy.
- **More Powerful, More Productive:** Phoenix Pulse Unit increases output by as much as 35% compared to previous UDP series tools. High speed of 4,800 RPM increases productivity.
- **Effortless Operation:** Lighter, quieter, more compact tool with less vibration and low reaction means greater operator comfort.
- **Ultra Durable:** Patented Phoenix Pulse Unit contains fewer moving parts, lengthening the time in between preventive maintenance by up to 400%.



UCX-AF600L



UCX-AF700



UCX-AF900

UCX-AF Series Tools

Model	Nominal Bolt Size		Torque Range		Sq. Drive	Free Speed RPM	Weight (Minus Socket)		Length (Minus Socket)		Height	Fastener Quantity Per Minute*	Sound Level dB(A)	Vibration Total Value (Ahd) m/s ²	
	MM	IN	NM	FT-LB			KG	LB	MM	IN					
UCX-AF600L	5 - 8	No.10 - 5/16	4 - 20	3 - 14.8	3/8	4,800	1.5	3.31	203	8	237	9.3	12	73	<2.5
UCX-AF600	6 - 10	1/4 - 3/8	10 - 40	7.4 - 29.6	3/8	4,800	1.5	3.31	203	8	237	9.3	10	74	<2.5
UCX-AF700	8 - 12	5/16 - 1/2	20 - 60	14.8 - 44.4	3/8	4,800	1.55	3.42	203	8	237	9.3	9	76	<2.5
UCX-AF900	10 - 12	3/8 - 1/2	30 - 72	22.1 - 53.1	1/2	4,800	1.76	3.88	221	8.7	237	9.3	7	78	<2.5

* Calculated under Uryu test conditions. Number of fastenings varies depending on usage conditions.

