

The New



GOLD STANDARD

Game-Changing Leap in Precision and Accuracy



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



- **Angle Control***
 - Angle Monitoring
- **Torque Control**
 - Torque Monitoring

AcraDyne's new highly advanced Gen IV iCC Controller and new UCX-AF transducerized oil-pulse tool work together as a powerful, precision-driven system.

Productivity

Ergonomics

Reliability

Quality

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 provide immediate feedback.

Smooth Handling

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

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.

Consistent Precision

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

*Angle Control strategy assumes a fixtured tool position and does not account for freehand tool movement.



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
- Realtime rundown information displayed. Rundown storage - 1,000,000
- Web browser based programming. Industrial touch screen
- 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 and Angle Control, and Torque 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. By reducing the impact of friction, Angle Control provides greater accuracy and consistency in clamp load compared to torque-only methods.
- **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, greatly lengthening the time in between preventive maintenance.

UCX-AF Series Tools

Model	Nominal Bolt Size		Torque Range		Sq. Drive	Free Speed	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	IN	RPM	KG	LB	MM	IN	MM	IN			
UCXAF600L	5-8	No10-5/16	4-20	3-14.8	3/8	4,800	1.5	3.31	203	8	237	9.3	12	73	<2.5
UCXAF600	6-10	1/4-3/8	10-40	74-29.6	3/8	4,800	1.5	3.31	203	8	237	9.3	10	74	<2.5
UCXAF700	8-12	5/16-1/2	20-60	148-44.4	3/8	4,800	1.55	3.42	203	8	237	9.3	9	76	<2.5
UCXAF900	10-12	3/8-1/2	30-72	221-53.1	1/2	4,800	1.76	3.88	221	8.7	237	9.3	7	78	<2.5

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



UCX-AF600L



UCX-AF700



UCX-AF900