The New

GOLD STANDARD

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

Coming Soon

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 /// 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 provides immediate feedback, ensuring quality and reducing rework.

Smooth Handling

Light weight, low-vibration, and quiet by design, the UCX-AF pulse tool keeps operators comfortable and productive throughout the shift. Easily readable displays on the iCC Controller enhance efficiency on the line.

Intelligent Design

With fewer moving parts and advanced Gen IV iCC control technology, the UCX-AF delivers consistent performance, extended maintenance cycles (increased by as much as 400% from previous UDP models), and dependable uptime.

Consistent Precision

Direct torque control and angle monitoring at the square drive, combined with three-step fastening and advanced iCC data analytics, ensures every result meets the highest standards of quality.

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

AIMCO UCX-AF Transducerized Pulse Tools

Enhanced Pulse Tool Precision with Torque Control and Angle Monitoring

UCX-AF600L

UCX-AF700

UCX-AF900

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-AF Series Tools

Model	Nominal Bolt Size MM	Nominal Bolt Size IN	Torque Range NM	Torque Range FT-LB	Sq. Drive IN	Free Speed RPM	Weight (Minus Socket) KG	Weight (Minus Socket) LB	Length (Minus Socket) MM	Length (Minus Socket) IN	Height MM	Height IN	Fastener Quantity Per Minute*	Sound Level dB(A)	Vibration Total Value (Ahd) m/s^2
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.