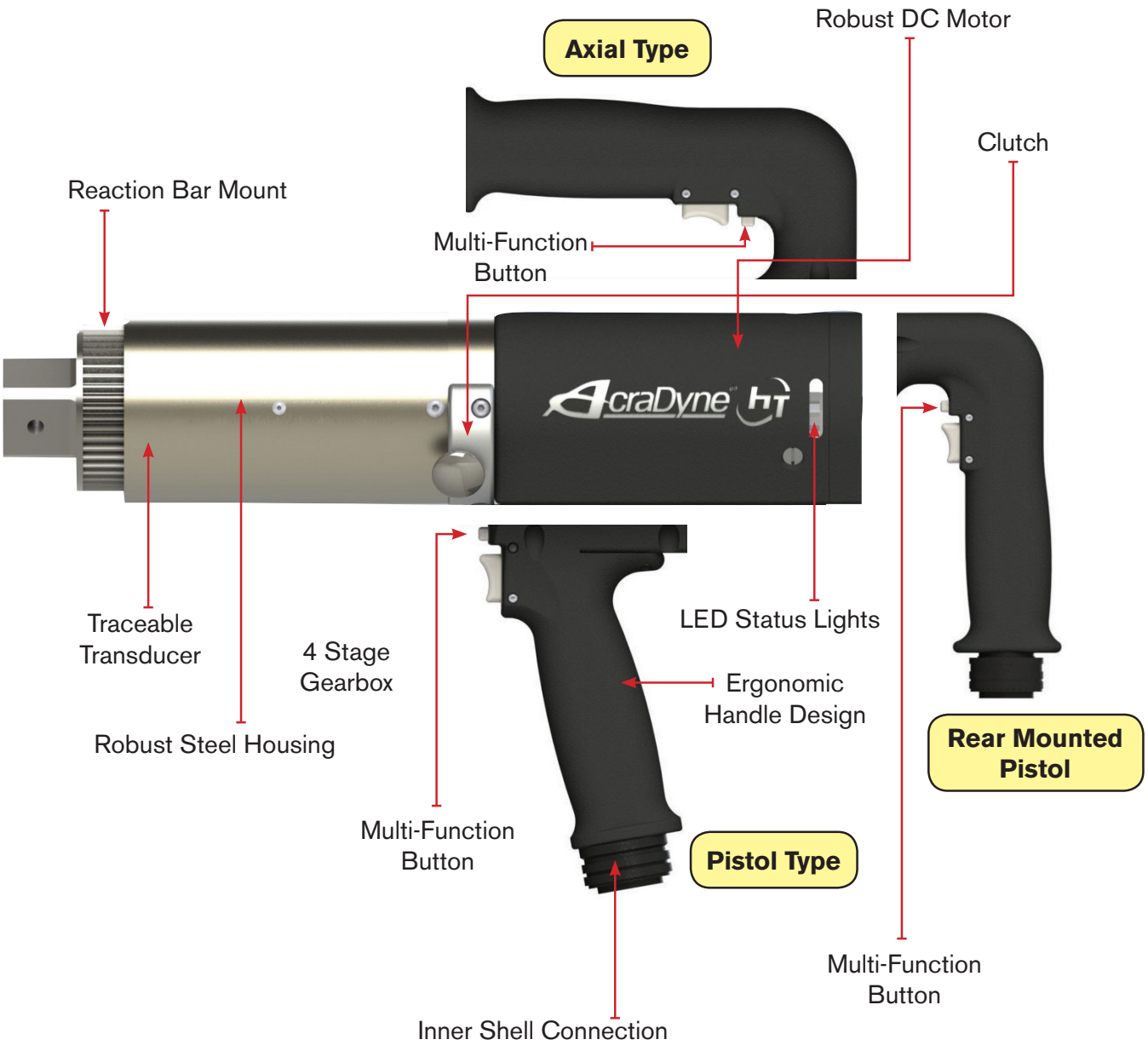
ACRADYNE® HIGH TORQUE TOOLS

CHOOSE YOUR HANDLE

A heavy-duty design with the ability to adapt to nearly any handle configuration.



ACRADYNE® HIGH TORQUE TOOLS

PISTOL TYPE
AEP SERIES

REAR MOUNTED PISTOL
AED SERIES

AXIAL TYPE
AEJ SERIES

FIXTURED TYPE
AEF SERIES

STRAIGHT LEVER TYPE
AES SERIES

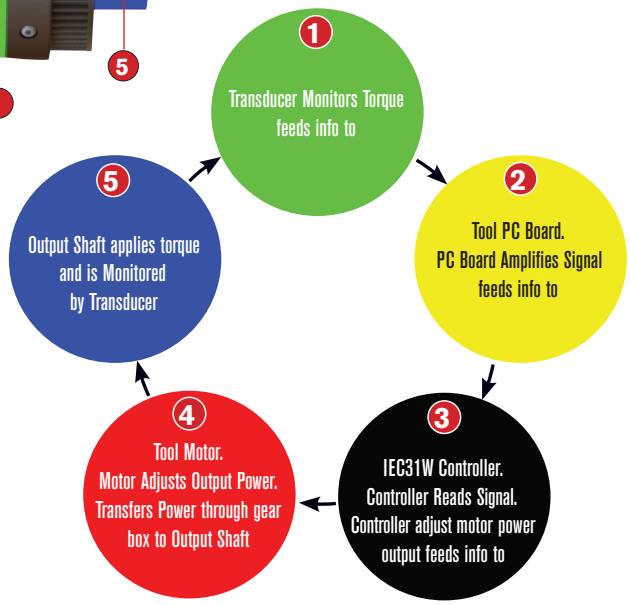
FEATURES AND BENEFITS

Critical high torque assembly applications demand tools that will deliver torque with superior performance and durability. The precision design of the HT Series from AcraDyne combines these features in an electric tool that beats the competition on productivity and ergonomics. AcraDyne's transducer torque control system provides consistent, reliable torque values as well as the ability to monitor rotational angle during the tightening process. When combined with AcraDyne's Tool Controllers, customers have a high torque assembly system that can handle the toughest and most important fastening jobs with the ease and accuracy they demand.

- Faster Free Speed – Up to three times faster than the competition.
- Accurate built-in transducer ensures that torque values are accurate - no "guestimates".
- Closed Loop Torque Control System.
- Interchangable Tools, Cables and Controllers – Calibrations are specific to the tool, not the system as a whole.
- Universal Controller for all AcraDyne tools.
- On-tool LED's for Accept / Reject signals.
- CE Compliant
- Engineered and **MADE IN THE USA**.

AcraDyne® HT

NOT JUST ANOTHER ELECTRIC TOOL



AcraDyne® HT

HAVING A TRANSDUCERIZED CLOSED LOOP SYSTEM MEANS:

- Traceable, dynamic torque is **measured** at the output **vs.** a non-traceable, **calculated** value by other systems.
- Torque measurement is not affected by changes in gear efficiency or normal tool wear between calibrations.
- Torque measurement is not affected by temperature, voltage, motor performance or any other external variation.
- Additional, redundant validation is not required.
- The system can be verified and calibrated easily anywhere.
- Tool, Cable and Control Unit are modular sub-systems and not dependent upon each other for system accuracy.

ACRADYNE® HT SERIES – SPECIFICATIONS


(AEP)


(AED)


(AEJ)


(AES)


(AEF)

MODEL	SERIES	APPROX. TORQUE		APPROX. SPEED	WEIGHT		LENGTH		DIA.		DRIVE	SOUND LEVEL
(handle type)		Nm	ft-lb	rpm	kg	lb	mm	in	mm	in	in	dB(A)
( )4B66500A	6000	500	370	120	5.7	12.5	299	11.8	66	2.6	0.75	66
( )4B66750A	6000	750	550	85	5.7	12.5	299	11.8	66	2.6	0.75	66
( )4B771000A	7000	1000	750	65	5.7	12.5	292	11.5	76	3.0	1	66
( )4B772500A	7000	2500	1850	25	8.1	18	328	12.9	76	3.0	1	66
( )4W872800A	7000	2800	2065	9	8.1	18	328	12.9	76	3.0	1	66
( )4B884100A1	8000	4100	3000	12	12.3	27	376	14.8	86	3.6	1	66
( )4B884100A	8000	4100	3000	12	12.3	27	376	14.8	86	3.6	1.5	66
( )4W884650A	8000	4650	3430	9	12.3	27	376	14.8	86	3.6	1.5	66
( )4W896500A	9000	6500	4800	7	15	33	457	18	101	4.0	1.5	66
( )4B898100A*	9000	8100	6000	5	15	33	457	18	101	4.0	1.5	66

*Under development

ACRADYNE® HT SERIES – CONTROLLER

The reliability and simple operation of AcraDyne's iEC controller is now optimized to work with HT-Series tools. The rugged, weatherproof design allows easy set-up of the HT controller in the toughest of environments.

FEATURES AND BENEFITS

- Data Storage – Up to 2,040 rundowns stored on board.
- Firmware – Custom-designed operating system means no licensing fees.
- Parameter Set Select and Indication – Change between 32 jobs with one touch.
- Tool Calibration Routines – Stores the calibration directly in the tool's memory for easy plug and play into any HT Series Controller.
- Programmable Calibration and Service Interval Alerts – Configure alerts to indicate when service or calibration is due for a tool based on the number of cycles, or months, since the last service or calibration.
- Real Time Clock – For time and date stamping rundown information and other logged data.
- Graphing Capabilities – To track and monitor tightening strategies.
- Multiple Fastening Strategies – Program up to 32 parameter sets to handle 32 different torques and joint types.
- CE Compliant

CONTROL STRATEGIES (CW OR CCW)

- Torque Control (TC) – Provides target torque with high and low limits with simple pass or fail criteria for tightening threaded fasteners.
- Torque Control with Angle Monitoring (TC/AM) – Allows user to monitor angle, rotation and detect any changes in the joint rate which would indicate process problems.
- Torque Monitoring with Angle Control (TM/AC) – For controlling the amount of fastener rotation during tightening while also viewing applied torque.

MODEL	DESCRIPTION
IEC31W-110V	Field use controller for use with 110VAC input power
IEC31W-220V	Field use controller for use with 220VAC input power

iEC31W Model

ACCURATE

- Controlled tightening improves quality.
- Process controls ensure no missed fasteners, stripped threads, rehits or damaged threads.
- Reduces human error.
- Consistent torque control.
- Accurate tightening means better end product quality.
- No premature shut-off.

RELIABLE

- No guessing, just reliable and accurate assembly.
- Automatically set your torque and reduce operator error.
- No counting required.
- Collect and analyze your production data.

PRODUCTIVE

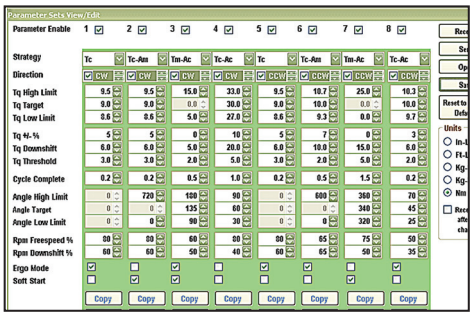
- Increased productivity means increased profits.
- Replace multiple conventional tools with one controlled system.

AcraDyne® HT

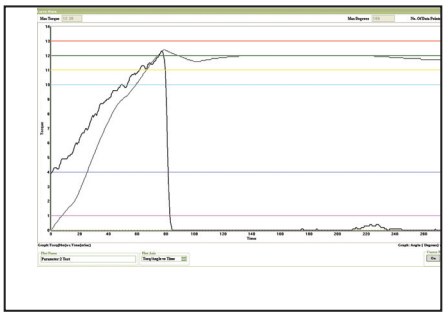
ACRADYNE® HT SERIES – PROGRAMING

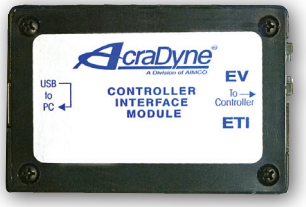
ToolWare is AcraDyne's software package designed specifically for AcraDyne® tools and controllers. Provided at no cost, this comprehensive, user-friendly program allows programming, analysis and diagnostics via USB connection to any Windows® computer workstation. The software automatically detects the controller or can be used offline.

EASY PARAMETER SET SET-UP



CURVEWARE™

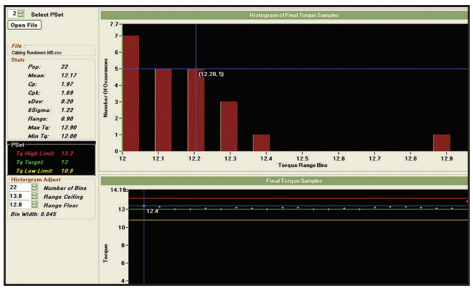




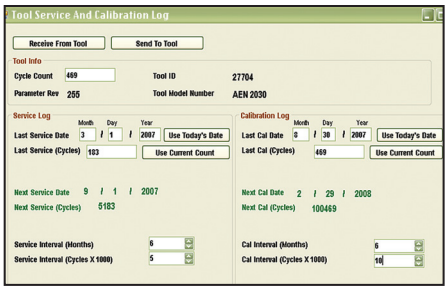
AEC-CIM

Interface module allows communication between a computer and an AcraDyne® controller through USB or CAN connections.

STATISTICS



CALIBRATION MAINTENANCE SCHEDULING



ACRADYNE® HT SERIES – ACCESSORIES

REACTION BARS

Each tool includes a standard spline-attachment reaction device. Blank and custom reaction devices are also available.