



AcraDyne[®]
A Division of AIMCO

WIND ENERGY
SUCCESS STORIES



For more than 50 years, AcraDyne’s parent company AIMCO, a third-generation family business, has been working with manufacturers around the world, providing complete solutions for critical fastening and bolting applications.

As AIMCO established itself as one of the nation’s largest and most innovative suppliers of pneumatic power tools and mechanized assembly systems, it saw an opportunity to launch its own manufacturing division in 1989, AcraDyne, to design, manufacture, and market assembly systems to feed and drive screws or tighten nuts.

Responding to customer needs, in 2000 AcraDyne launched its line of DC Controlled Tools, enhancing itself in the market. In 2012, AcraDyne launched one of the world’s first High Torque DC Controlled Tools. Believing strongly that it could play a role in combatting the climate crisis, in 2020 AcraDyne introduced its line of HTXD Extreme Series Bolting tools for the ever-expanding bolting requirements of the green energy sector. AcraDyne is proud to be a member of the value chain that helps mitigate carbon footprint in order to create a cleaner and more resilient world.

It is with great pride that AcraDyne can say the products that we manufacture are **DESIGNED AND ASSEMBLED IN THE USA.**

DC TOOLS

Torque Ranges 250-12,000 Nm (185-8,850 ft-lb)



Pistol
AEP Series



Rear Mounted Pistol
AED Series



Axial
AEJ Series



Fixture
AEF Series



Straight Lever
AES Series



Angle
AEN Series



Dual Lever
AEF Type

Dual Lever
AEF Type



Torque Ranges 8,100-17,000 Nm
(6,000-12,500 ft-lb)



U.S. Patent
D968491

PNEUMATIC

Torque Ranges 400-5,100 Nm (300-3,775 ft-lb)

AAPIB Series



High-Speed
Series

BATTERY

Torque Range 115-4,100 Nm (85-3,025 ft-lb)



ABETP Series



ABP-CTA Series

CONTROLLERS

Gen IV Controller



iEC4W Field Controller

**HIGH CAPACITY
TEST STANDS**

Capacities up to 33,750 Nm (25,000 ft-lb)



AHCTS Test
Stand

AHCTS-K Test
Stand



AHDS Test Stand

TORQUE CARTS



iTVC Torque Cart

**GEARHEAD TOOLS AND
NOSE EXTENSIONS**



**DYNATORQUE MANUAL
TORQUE MULTIPLIERS**

Max Torque Outputs 800-1,600 Nm
(590-11,808 ft-lb)



ATM-800

ATM-3800

ACCESSORIES



Sockets



Reaction Bars

Air Preparation Units



Custom Accessories



Air Line





AcraDyne provides application solutions for a growing list of customers in the wind industry



AcraDyne[®]
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The most complete portfolio of high capability bolting and critical fastening solutions for the wind industry

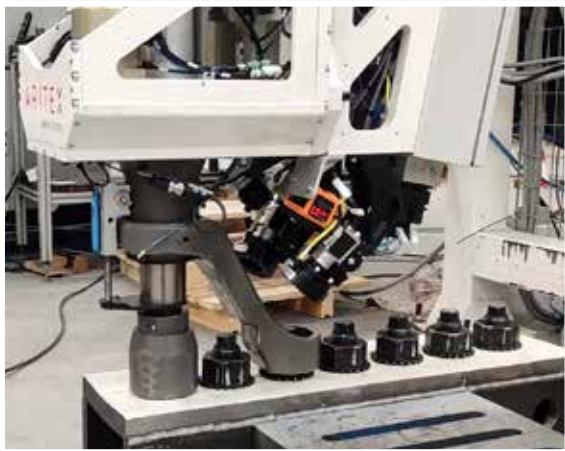


U.S. Patent
D966491





Providing powerful solutions for robotics and automation on the factory floor





HIGH-TORQUE TOOL SPECIALS

AIMCO can provide customized tooling solutions for even the most unique applications. Let us propose a solution tailored to your needs. Contact an AIMCO Customer Service Associate for more details, 1-503-254-6600, or toll free 1-800-852-1368.



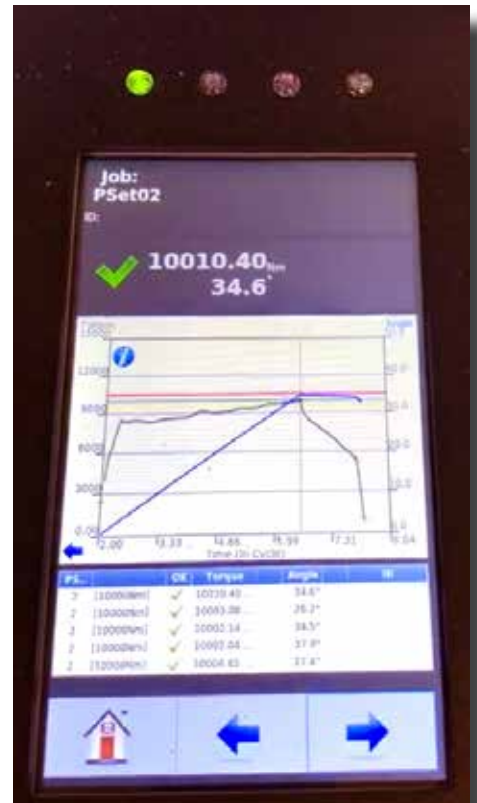
17,000 Nm Tool
U.S. Patent D968491

SIEMENS Gamesa

RENEWABLE ENERGY

Denmark

AcraDyne® HTXD EXTREME DUTY



Siemens

Manufacturer of wind turbines and provider of onshore and offshore wind services

Need:

DC Controlled Tooling to replace Hydraulic tools for improved quality and data traceability

Competition was disqualified because of failure to meet project specifications accurately with traceable data

AcraDyne Solution:

- AcraDyne HT DC 12,000 Nm Dual-Lever J-Handle Tool
- Gen IV iEC4W Field Controller
- Systems performed all levels of the tests with zero issues
- 3x faster than hydraulic tools
- Dual-Lever handle and alternate handle designs met safety requirement

SIEMENS Gamesa

RENEWABLE ENERGY

Sigueiro, Spain



Siemens

Manufacturer of wind turbines and provider of onshore and offshore wind services

Need:

Upgrade and repair current multipliers. The new multipliers were required to produce torque and angle data

AcraDyne Solution:

- AcraDyne HT 2,500 Nm Pistol Nutrunner
- Gen IV iEC Controller for ultimate control
- Highly ergonomic and user friendly 3arm torque arm

SIEMENS Gamesa

RENEWABLE ENERGY

Mexico and Chile

Siemens

Manufacturer of wind turbines and provider of onshore and offshore wind services

Need:

Customer needed an innovative tool/lift-assist solution for working in the confines of a wind tower. Many factors needed to be considered, including total weight of the product, maximum tool size, capability of the tool, maneuverability inside the wind turbine towers, appropriate lift-assist design, speed of tool, traceability, and durability. AcraDyne's challenge was to keep the design simple and lightweight, yet robust.

AcraDyne Solution:

- For the tooling solution, AcraDyne provided a double J handle high-torque nutrunner that complied with tight weight standards. The tool could be carried inside the wind tower.
- For the lift assist solution, AcraDyne worked closely with the customer to design a lift that conformed exactly to spec. In addition, the lift assist can be quickly assembled and disassembled for maximum portability.

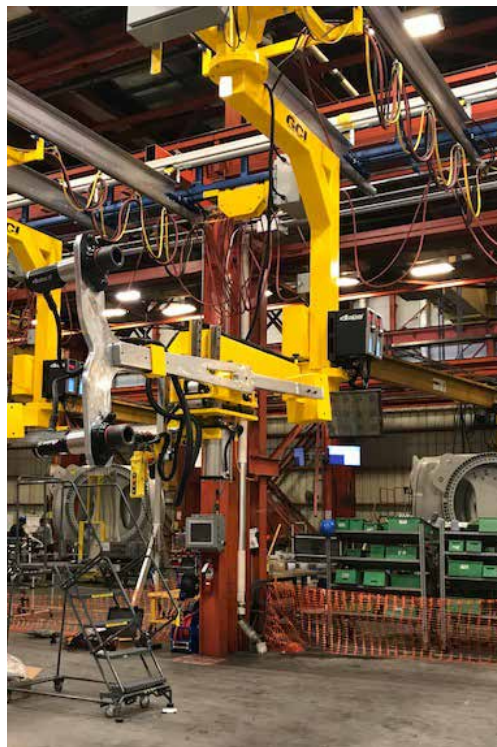


AcraDyne® HTXD
**EXTREME
DUTY**





Pensacola, Florida



GE
Global power and
technology services
leader

Need:
Tools on hub bearing
assembly line that can
accommodate varying
bolt distances while still
remaining durable

Modifying the torque
arm wasn't an option

AcraDyne Solution:

- HT Dual Test Stand with digital rotary torque/angle transducers ranging from 375 - 7,500 ft-lb
- HT DC Pistol Nutrunners ranging from 1,200 - 6,500 Nm
- HT DC 12,000 Nm Tool with J-Shaped Handle
- Gen IV iEC Controller

GE Alstom
Global power and
technology services
leader



Assembly Plant

Need:

- Improve process control in wind tower production line
- Reduce cycle time
- Improve quality in production
- Reduce noise in the environment
- Improve safety for workers



AcraDyne Solution:

- AcraDyne HT DC Tools and Signature Series Tool with torque ranges 6 – 4,200 Nm
- Torque Bench for torque ranges up to 8,000 Nm



Stator Assembly





GE Renewable Energy

ShenYang, China



GE Wind Power
Manufacturer of wind turbines

Need:
Current tools used to tighten yaw break bolts provided inaccurate torque and tended to overheat

AcraDyne Solution:

- AcraDyne HT DC Pistol Tool, 4,650 Nm to tighten the yaw brake bolts (550 Nm + 30° Angle)
- Gen IV iEC Controller

TRG
The Renewables Group
Supports construction,
commissioning,
servicing, and
retrofitting of wind
turbines



Vestas

United Kingdom

AcraDyne[®] ULTRA TORQUE



Vestas

Manufacturer, seller, installer, and servicer of wind turbines

Need:

Tool for automated resetting of spring yaw packs. Tool needed to be ergonomic and flexible to accommodate the overhead application

AcraDyne Solution:

- Transducerized AcraDyne UltraTorque 950 Nm Series Cordless Tool



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