

Cleco[®]
Production Tools

NeoTek[™]

Corded Electric Assembly Tools



1 MILLION CYCLES MAINTENANCE-FREE*



Get Ready to Streamline Your Assembly Line.

Streamline your assembly line and increase your return on investment. Manufacturing solutions that improve productivity, and decrease system and maintenance costs are in high demand.

The Cleco® NeoTek™ fastening system is the next generation of smart tool solutions. NeoTek exceeds the industry's most demanding assembly requirements by combining over 50 years of experience with smart technology. The NeoTek 30 and 50 series tools have angle heads

that were engineered to provide **1 million cycles maintenance-free***, while delivering **class-leading repeatability** of 2.0 Cm/Cmk at +/- 7%.

NeoTek's tool cable features an industry-first quarter turn twist-lock design, thus eliminating one of the leading causes of tool cable failure: damaged threads. The use of digital communication from tool to controller reduces the number of tool cable conductors from 28 to 8, **significantly decreasing cable diameter and reducing weight by 50%.**



1 MILLION CYCLES MAINTENANCE-FREE *

*based on recommended tool model torque range and clockwise rotation

NeoTek™

CORDED ELECTRIC ASSEMBLY TOOLS

The centerpiece of the system is the Cleco mPro400GCD-Hybrid Controller, which features a large touchscreen with an easy-to-use software interface. Programming can be done directly from the unit or remotely from a PC using provided license-free software.

The Cleco mPr0400GCD-Hybrid Controller **supports industry standard protocols and fieldbus communication** which allows for easy integration into any manufacturing environment.



Cleco[®]

Production Tools

Streamline your assembly line and increase your return on investment

The NeoTek™ fastening system is the next generation of smart tool solutions. The lightweight, ergonomic design along with fully programmable features such as the high-output LED light rings, audible alerts, and handle vibration all create a better use experience that leads to decreased operator fatigue and increased productivity.



DURABLE



ERGONOMIC



SCALABLE



TRACEABLE



21% lighter (tool/cable system) than existing tool family



Lightweight, smooth body design



1 million cycles maintenance-free



Repeatability & accuracy with 2.0 Cm/Cmk at +/- 7%



Head configurable in 30° increments



Optional Add-On Accessories



Two-hand start switch

Work light



Location module

Gyroscope

Camera scanner

1 MILLION CYCLES MAINTENANCE-FREE*

NeoTek™ | CORDED ELECTRIC ASSEMBLY TOOLS

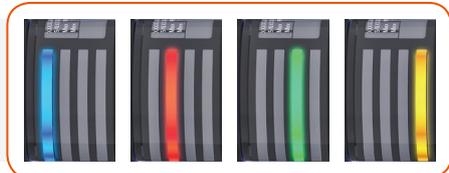
The complete system solution for all your assembly line needs

The twist-lock design of the tool cable connector eliminates **damaged threads**. The orange stripe on the cable allows for correct installation during festooning and greatly increases cable life by identifying easily twisted cables. The new mPro400GCD-Hybrid Controller is a **dual-analog and digital controller that supports legacy models** of Cleco tools (17 | 47 | 67 | 18 | 48 Series) as well as the LiveWire™ cordless tools.

-  **EASY**
-  **SCALABLE**
-  **COST-EFFECTIVE**

 Digital communication for reliable performance
 Internal temperature monitoring

  **Configurable LED light rings**
 Data logging with on-board tool memory
 Preventive maintenance alerts



  **Tactile & audible operator feedback**
Configurable multi-function buttons



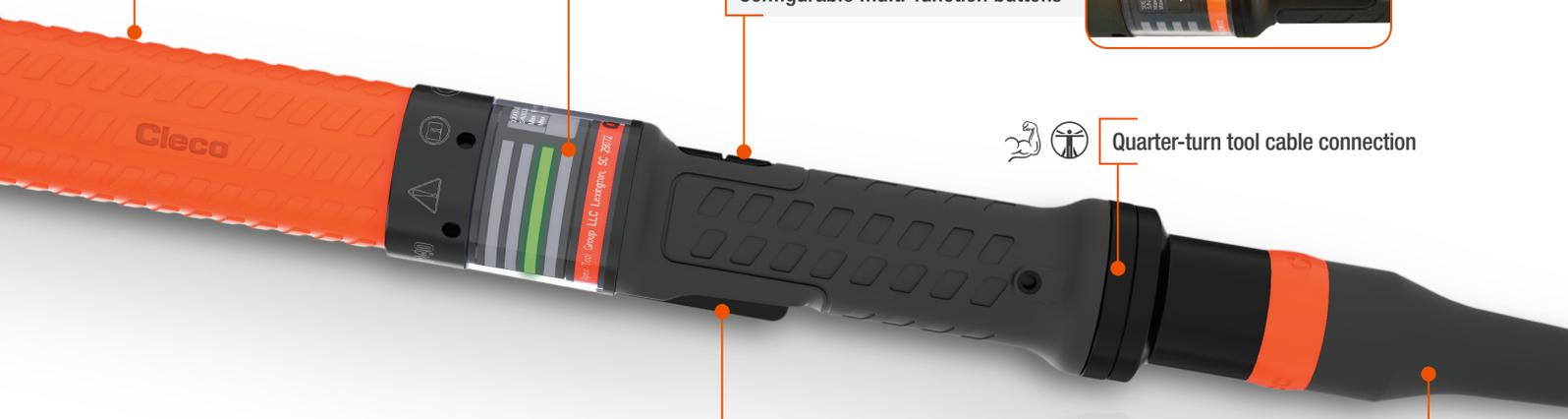
  **Quarter-turn tool cable connection**

Configurable two-position start switch
Non-contacting, long-lasting switches


Cable weight reduced by 50% over existing cable
Integrated tool cable memory for preventative maintenance



mPRO400GCD HYBRID CONTROLLER & CABLE



Backwards compatible with existing Cleco corded electric assembly tools

Up to 16 corded with secondaries /cordless tools per controller, reducing total cost of ownership

Market-leading software user interface with configurable architecture

ARCnet and TSnet system bus



Hybrid controller designed to work seamlessly with Cleco Software Suite & other workstation torque/process management solutions

NeoTek system is future proof with software/hardware architecture designed to meet & exceed Industry 4.0 requirements

Supports applications that require up to 45 meter tool cables

67 Series tools no longer require an isolation transformer

Optional: AnyBus® field bus modules for system integration



Real Global Controller for all regions with compliance certifications for IEC, UL, CSA, CE, EAC



Superior operator protection with galvanic isolated power supply



Elimination of GFCI maintenance support



Indicator line for installation & maintenance support



Wide variety of tool and extension cable lengths up to 45 meters

Quarter-turn cable connection to controller



More than double the life of our existing tool cable





NeoTek™ | CORDED ELECTRIC ASSEMBLY TOOLS



30 SERIES - RIGHT ANGLE low torque applications

MODEL NUMBER	TORQUE RANGE Nm		TORQUE RANGE ft-lb		SPEED r/min	WEIGHT		LENGTH		SIDE TO CENTER		HEIGHT		OUTPUT DRIVE
	min	max	min	max		kg	lb	mm	in	mm	in	mm	in	
30EAN06EA3	1.3	6	0.9	4.4	2925	1.13	2.5	380	14.96	12.3	0.48	36	1.42	3/8 Sq. Drive
30EAN12EA3	2.6	12	1.9	8.8	1450	1.14	2.5	380	14.96	12.3	0.48	36	1.42	3/8 Sq. Drive
30EAN21FA3	4.4	21	3.2	15.4	835	1.32	2.9	408	16.06	16.4	0.65	40.25	1.58	3/8 Sq. Drive
30EAN28FA3	5.7	28	4.2	20.6	615	1.32	2.9	408	16.06	16.4	0.65	40.25	1.58	3/8 Sq. Drive

50 SERIES - RIGHT ANGLE medium torque applications

MODEL NUMBER	TORQUE RANGE Nm		TORQUE RANGE ft-lb		SPEED r/min	WEIGHT		LENGTH		SIDE TO CENTER		HEIGHT		OUTPUT DRIVE
	min	max	min	max		kg	lb	mm	in	mm	in	mm	in	
50EAN30FA3	6.0	30	4.4	22.1	1765	1.60	3.5	449	17.68	16.4	0.65	40.25	1.58	3/8 Sq. Drive
50EAN39GA3	8.0	39	5.9	28.7	1375	1.77	3.9	462	18.19	16.7	0.66	44.63	1.76	3/8 Sq. Drive
50EAN59HA3	12	59	8.8	43.5	915	1.94	4.3	464	18.27	19.0	0.75	51.35	2.02	3/8 Sq. Drive
50EAN80JA4	16	80	11.8	59.0	670	2.17	4.8	473	18.62	22.8	0.90	48.48	1.91	1/2 Sq. Drive
50EAN110KA4	22	109	16.2	80.3	475	2.76	6.1	493	19.41	25.3	1.00	60.30	2.37	1/2 Sq. Drive
50EAN150KB4	32	150	23.6	110.6	320	3.75	8.3	559	22.01	26.2	1.03	64.48	2.54	1/2 Sq. Drive
50EAN205NA6	41	205	30.2	151.2	250	3.93	8.7	562	22.13	29.5	1.16	61.95	2.44	3/4 Sq. Drive



CONTROLLER

MODEL NUMBER	TOOL COMPATIBILITY	WEIGHT		WIDTH		HEIGHT		DEPTH	
		kg	lb	mm	in	mm	in	mm	in
mPro400GCD-P	Cleco NeoTek 30/50 Series, 18/48 Series, 17/47/67 Series*, LiveWire, Intelligent Spindles**	13.4	29.5	261.62	10.3	378.46	14.9	327.66	12.9

*Adapter cable required for 17/47/67 Series tool

**Requires quote to accommodate hardware configurations

TOOL CABLE

MODEL NUMBER	LENGTH		WEIGHT	
	m	ft	kg	lb
961560-010	1	3.3	0.50	1.1
961560-020	2	6.6	0.65	1.4
961560-030	3	9.8	0.79	1.7
961560-040	4	13.1	0.94	2.1
961560-060	6	19.7	1.23	2.7
961560-080	8	26.2	1.52	3.4
961560-100	10	32.8	1.81	3.9
961560-120	12	39.4	2.10	4.6
961560-150	15	49.2	2.53	5.6



EXTENSION CABLE

MODEL NUMBER	LENGTH		WEIGHT	
	m	ft	kg	lb
961561-010	1	3.3	0.38	0.8
961561-030	3	9.8	0.67	1.5
961561-050	5	16.4	0.96	2.1
961561-060	6	19.7	1.11	2.4
961561-080	8	26.2	1.40	3.1
961561-100	10	32.8	1.69	3.7
961561-150	15	49.2	2.41	5.3
961561-200	20	65.6	3.14	6.9
961561-250	25	82	3.86	8.5



MECHANICAL ACCESSORIES

PART NUMBER	TYPE
T50-3000048	Suspension Bail - Fixed
T50-3000060	Suspension Bail - Offset, Fixed
T50-3000063	Suspension Bail - Swivel
T50-3000061	Suspension Bail - Offset, Swivel
T50-3000064	Reaction Bar - 59 Nm
T50-3000065	Reaction Bar - 80 Nm
T50-3000066	Reaction Bar - 110 Nm
T50-3000067	Reaction Bar - 150 Nm
T50-3000068	Reaction Bar - 205 Nm
T50-3000072	Body Extension - 59 Nm
T50-3000071	Body Extension - 80 Nm
T50-3000069	Body Extension - 110 Nm
T50-3000070	Body Extension - 150 and 205 Nm

ELECTRICAL ACCESSORIES

PART NUMBER	TYPE
942391PT	Camera Scanner
942396PT	Gyroscope
943462PT	Tool Light
961789PT	17 / 47 / 67 Series Tool Adapter Cable