

TORQUE CONTROL ANGLE NUTRUNNER (MECHANICAL-CUT)

The New **UAN-611R & UAN-701R series** Torque Control Angle Nutrunners offer exceptional fastening performance in the areas of productivity, ergonomics, reliability and quality.

Six Performance Advantages

1. Instant shut-off providing increased accuracy and reduced reaction.
2. Low inertia design providing increased accuracy.
3. Simple and accurate method to adjust torque output permitting quick setup.
4. Smooth rolling selector allowing easy adjustment to forward rotation or reverse rotation.
5. Rear exhaust providing low noise operation.
6. Multiple angle head positions allowing comfortable operation on limited access application.

Right Angle Head

Designed with a spline type interface allowing multiple head positions for the most comfortable throttle location on those hard to reach applications.

Grease Cock

Allows periodic lubrication of the angle head bevel gears without having to disassemble the tool.

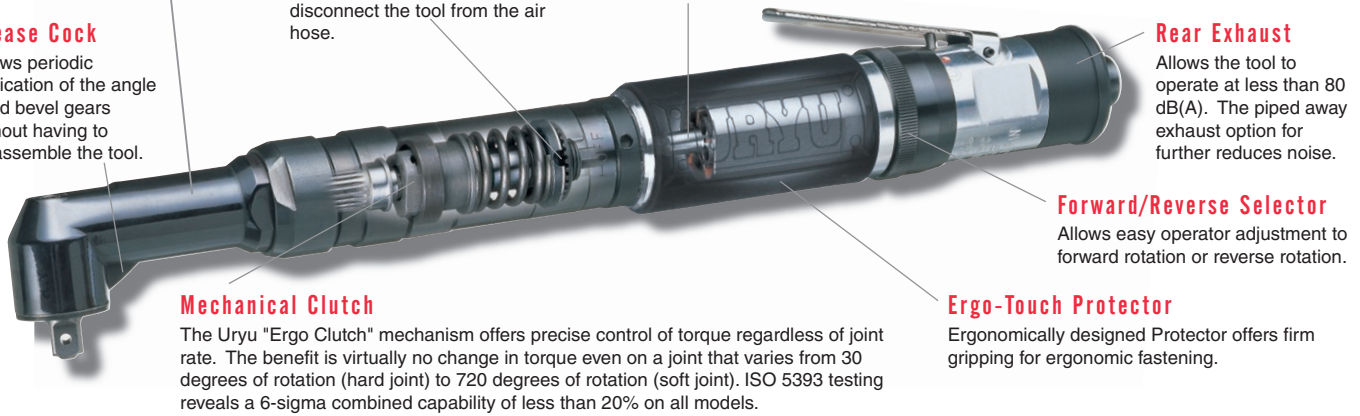
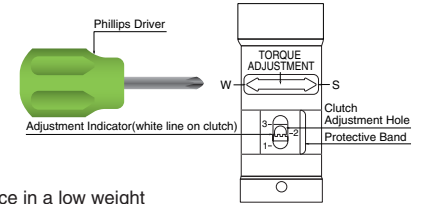
Torque Adjustment

Use a Phillips driver to adjust the torque from the outside of the tool. A gauge displaying 1, 2 and 3 allows you to "roughly adjust" the tool to the desired torque. When adjusting the torque, always disconnect the tool from the air hose.

Pneumatic Motor

Designed to offer high power performance in a low weight package. The high power feature produces torque efficiently on soft joint and prevailing torque applications. The low weight feature reduces motor inertia and assists in producing accurate torque on hard joints. In addition, the motor is designed for easy maintenance.

Torque Adjustment



Mechanical Clutch

The Uryu "Ergo Clutch" mechanism offers precise control of torque regardless of joint rate. The benefit is virtually no change in torque even on a joint that varies from 30 degrees of rotation (hard joint) to 720 degrees of rotation (soft joint). ISO 5393 testing reveals a 6-sigma combined capability of less than 20% on all models.

Rear Exhaust

Allows the tool to operate at less than 80 dB(A). The piped away exhaust option for further reduces noise.

Forward/Reverse Selector

Allows easy operator adjustment to forward rotation or reverse rotation.

Ergo-Touch Protector

Ergonomically designed Protector offers firm gripping for ergonomic fastening.



SPECIFICATIONS

Recommended Air Pressure: 0.6MPa(85psi)

Model	Bolt Capacity		Torque Range		Free Speed (about)	Overall Length (about)		Weight less Socket (about)		From Center to Outside (about)		Angle Height (about)		Square Drive Shank		Average Air Consumption	
	mm	in	Nm	ft-lbs		mm	in	kg	lb	mm	in	mm	in	mm	in	m ³ /min	ft ³ /min
UAN-611R-60C	6	1/4	6.5-12.0	4.3-8.6	620	383	15 5/64	1.6	3.52	14.0	35/64	47	1 55/64	9.5	3/8	0.6	21.2
UAN-611R-50C	6-8	1/4-5/16	8.5-15.0	5.7-10.8	470	373	14 11/16	1.6	3.52	14.0	35/64	47	1 55/64	9.5	3/8	0.6	21.2
UAN-611R-40C	6-8	1/4-5/16	10.0-18.0	7.2-12.9	400	373	14 11/17	1.6	3.52	14.0	35/64	47	1 55/64	9.5	3/8	0.6	21.2
UAN-611R-30C	8	5/16	13.0-25.0	9.3-18.0	270	373	14 11/18	1.6	3.52	14.0	35/64	47	1 55/64	9.5	3/8	0.6	21.2
UAN-701R-60C	8	5/16	20.0-31.0	14.5-23.1	600	445	17 33/64	2.4	5.29	14.0	35/64	47	1 55/64	9.5	3/8	0.9	31.8
UAN-701R-40C	8-10	5/16-3/8	28.0-45.0	21.0-33.3	400	455	17 29/32	2.4	5.29	18.0	45/64	51	2	9.5	3/8	0.9	31.8
UAN-701R-30C	10-12	3/8-1/2	37.0-60.0	27.5-44.1	300	455	17 29/32	2.4	5.29	18.0	45/64	58	2 9/32	12.7	1/2	0.9	31.8

Air Inlet Thread (Pipe Tap) : NPT1/4" Air Hose Size (Inside Diameter) : 9.5mm (3/8")

SPECIFICATIONS

Recommended Air Pressure: 0.6MPa(85psi)

Model	Bolt Capacity		Torque Range		Free Speed (about)	Overall Length less Socket (about)		Weight less Socket (about)		From Center to Outside (about)		Angle Height (about)		Square Drive Shank		Average Air Consumption	
	mm	in	Nm	ft-lbs		mm	in	kg	lb	mm	in	mm	in	mm	in	m ³ /min	ft ³ /min
UAN-611RM-60C	6	1/4	6.5-12.0	4.3-8.6	620	419	16 1/2	2.0	4.4	14.0	35/64	47	1 55/64	9.5	3/8	0.6	21.2
UAN-611RM-50C	6-8	1/4-5/16	8.5-15.0	5.7-10.8	470	409	16 7/64	2.0	4.4	14.0	35/64	47	1 55/64	9.5	3/8	0.6	21.2
UAN-611RM-40C	6-8	1/4-5/16	10.0-18.0	7.2-12.9	400	409	16 7/64	2.0	4.4	14.0	35/64	47	1 55/64	9.5	3/8	0.6	21.2
UAN-611RM-30C	8	5/16	13.0-25.0	9.3-18.0	270	409	16 7/64	2.0	4.4	14.0	35/64	47	1 55/64	9.5	3/8	0.6	21.2
UAN-701RM-60C	8	5/16	20.0-31.0	14.5-23.1	600	480	18 57/64	2.7	5.94	14.0	35/64	47	1 55/64	9.5	3/8	0.9	31.8
UAN-701RM-40C	8-10	5/16-3/8	28.0-45.0	21.0-33.3	400	492	19 3/8	2.9	6.38	18.0	45/64	51	2	9.5	3/8	0.9	31.8
UAN-701RM-30C	10-12	3/8-1/2	37.0-60.0	27.5-44.1	300	492	19 3/8	2.9	6.38	18.0	45/64	58	2 9/32	12.7	1/2	0.9	31.8

Air Inlet Thread (Pipe Tap) : NPT1/4" Air Hose Size (Inside Diameter) : 9.5mm (3/8")

TORQUE CONTROL ELECTRIC ANGLE NUTRUNNER

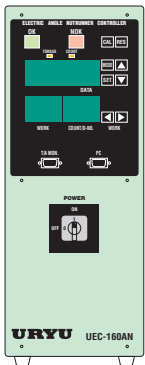
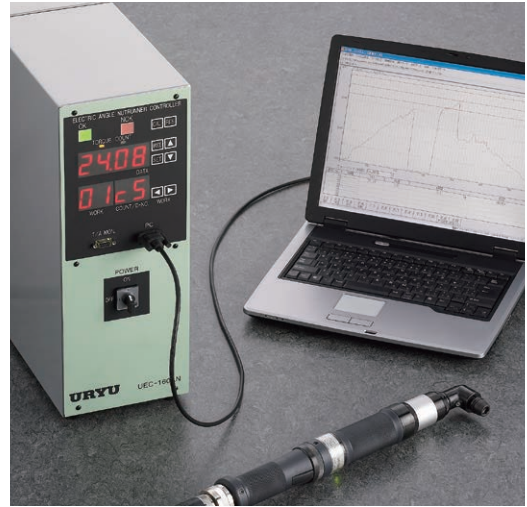
URYU has developed **UAN-F130 series** Electric Angle Nutrunner by merging his fastening technology of pneumatic tools in high speed servo motor angle nutrunner. Enable high accurate fastening with compact designed controller.

Features

- Wide range speed control due to high speed motor.
- Compact design 170mm slim width controller.
- Data communications by interface to external systems via built-in RS232C board.

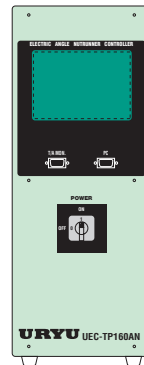
Functions

- High accurate fastening with Torque/Angle control.
- Displays Torque/Angle curves (displays these curves on front touch panel in touch panel type controller).
- Up to 16 multi-step fastening by programming with controller or through setup software of personal computer.
- Data storage capacity is 12,000 pieces. UEC-160AN 7-segment type : Download the stored data to your PC for statistical analysis of mean, σ , 3σ /mean, CP, and CPK. You can also graph the total data. UEC-TP160AN touch panel type: You can further process these calculations on front touch panel without PC.
- Interlock with conveyor is possible due to terminals available in the rear panel.



Specifications (7-segment Type)

Power supply	Single phase AC100 - 230V
Power frequency	50/60Hz
Ambient temperature	0 - 45 (no dew)
Ambient Humidity	30 - 90% (no dew)
Consumption	Approx. 80W
Weight	16.60 kgs.
Dimensions (mm)	350Dx170Wx442H
Main functions	Either of torque control and angle monitor, or angle control and torque monitor
Parameter set	Pressing front key pads, CAL, RES, MODE, SET, ∇ , \triangle , \leftarrow , \rightarrow , or from your PC (software required)
Front display panel	4-digit: setting value, torque/angle 2-digit:(left) Work number 2-digit:(right) Count number
Lamp display	Total OK (green), NOK (red) Judgment TORQUE/COUNT(orange)



Specifications (Touch Panel Type)

Power supply	Single phase AC100 - 230V
Power frequency	50/60Hz
Ambient temperature	0 - 45 (no dew)
Ambient Humidity	30 - 90% (no dew)
Consumption	Approx. 80W
Weight	16.90 kgs.
Dimensions (mm)	350Dx170Wx442H
Main functions	Either of torque control and angle monitor, or angle control and torque monitor
Parameter set	Front touch panel setting or from your PC (software required)
Front display panel	25 letters and 15 lines 4-digit: Torque/Count (orange)
Lamp display	Total OK (green), NOK (red) Judgment TORQUE/COUNT(orange)



Model	Accessory	Qty
UEC-160ANA/E	Power Cable	1

Code No.	Used for
859-553-1	UAN-F130-040, 060
859-544-1	UAN-F130-080, 120

Model	Code No.
Tool cable 5m	910-911-0
Tool cable 10m	910-912-0
Tool cable 15m	910-913-0
Tool cable 30m	910-914-0

Tool cable is necessary for the connection between tool and controller. It is not included in the tool, so please purchase it separately.

Model	Accessory	Qty
UEC-TP160ANA/E	Power Cable	1



SPECIFICATIONS

Model	Capacity (Nominal Bolt Size)		Max. Torque		Free Speed (about)	Overall Length (about)		Weight less Socket or Bit (about)		From Center to Outside (about)		Angle Height (about)		Sq. Drive Shank	
	mm	in	Nm	ft-lbs	rpm	mm	in	kg	lb	mm	in	mm	in	mm	in
UAN-F087-015	5-8	No.10-5/16	15	11.1	1215	399	15 45/64	1.43	3.15	14.0	35/64	49.0	1 59/64	9.5	3/8
UAN-F130-025	8	5/16	25	18.5	1060	419	16 1/2	1.53	3.37	14.0	35/64	49.0	1 59/64	9.5	3/8
UAN-F130-040	8-10	5/16-3/8	40	29.6	640	444	17 33/64	1.76	3.87	18.0	45/64	52.5	2 2/32	9.5	3/8
UAN-F130-060	10-12	3/8-1/2	60	44.4	440	444	17 33/64	1.77	3.89	18.0	45/64	58.0	2 9/32	12.7	1/2
UAN-F130-080	10-14	3/8-9/16	80	59.0	325	488	19 7/32	3.13	6.87	22.5	7/8	74.0	2 29/32	12.7	1/2
UAN-F130-120	12-16	1/2-5/8	120	88.5	195	488	19 7/32	3.13	6.87	22.5	7/8	74.0	2 29/32	12.7	1/2