



INSIGHT iQi

LOW TORQUE PRECISION SCREWDRIVER

PRECISION FASTENING

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TARGET MARKETS



ELECTRONICS ASSEMBLY

- Phones
- Tablets
- Laptops
- Televisions
- Contract manufacturers



MOTOR VEHICLE INDUSTRY

- Wiring harnesses
- Interior trim sub assemblies
- Airbags
- Headlight assemblies
- Instrument clusters



WHITE GOODS

- Washing machines and dryers
- Dishwashers
- Commercial refrigeration
- Ovens and stoves
- Air conditioners and HVAC
- Water heaters

TARGET MARKETS



ELECTRIC VEHICLE ASSEMBLY

- Charging systems
- Interior sub assemblies
- Battery systems
- Headlight assemblies



ELECTRICAL EQUIPMENT

- Switchgears and control panels
- Solar panels
- Lighting systems
- Transformers



MEDICAL DEVICES

- Lab testing equipment
- CPAP
- Ventilators
- Dialysis equipment
- Imaging equipment

INSIGHT iQi

PRODUCT OVERVIEW



PRODUCT OVERVIEW

INSIGHT iQi Series

- Transducerized Series Tools - 0.02- 15Nm
- Current Control Series Tools - 0.02- 15Nm
- One Controller to support Current control and Transducerized series tools
- Programmed through Touch screen or Remote web browser
- Program Up to 64 Jobs
- MES and Fieldbus support



INSIGHT iQi OVERVIEW



INSIGHT iQi OVERVIEW



Remote browser support

7" color capacitive touch screen display

Integrated Ports

Ethernet port x2
USB 2.0 x 4
HDMI x 1
RS232 x 1

Configure up to 64 Jobs

Supports quick software upgrades

Rapid software-based backup and restore

Live Trace during fastening operation

500,000 fastening records

Intuitive user interface

8x8 integrated digital I/O's

Integrated MES and Fieldbus support Open protocol, Ethernet IP, Profinet & Others

Modular mounting option for: Bench mounts & Wall mounts

INSIGHT iQi VALUE PROPOSITION

FEATURES OVERVIEW



EFFICIENCY

Improves Programming Time by 50%

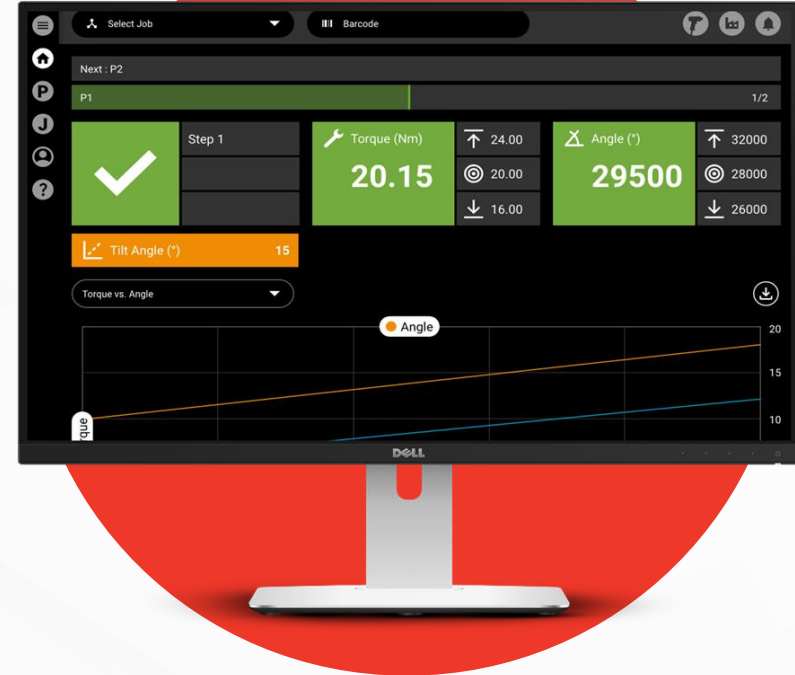
- Deploy programming changes quickly using a intuitive user interface when compared to programming on physical controllers

100% Remote Access

- Make changes and trouble shoot from anywhere- no need to be physically present at the controller
- Access all features through a web browser

No Additional Software Required

- Operate directly through browser- no software installations or licensing costs.
- No Admin rights or IT support needed- reduce dependency and complexity



EFFICIENCY

Intuitive Touchscreen Interface

- Quick and easy navigations through configuration setup and system settings, reducing the learning curve and minimizing the setup time.
- Setup programs in less than 2 minutes

On-Site Programming and Adjustments

- Allows user to make immediate programming changes and adjustment directly on the controller, eliminating need of a programming interface

Visual Feedback of Fastening process

- Provides real time visual indicator and fastening results on the screen to the user

7" Color
Capacitive
touch screen
display

Modular
Mounting option
for Bench
Mounts/ Wall
Mounts



QUALITY

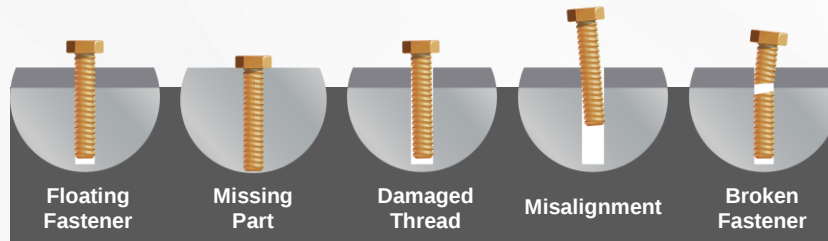
Advanced tightening control using torque and angle control strategies ensures precise and reliable tightening's.

Lower rework and quality cost.

- Real time detection of fastening issues minimizes rework, scrap and material cost by preventing defects from progressing down the assembly lines.

Increased productivity by minimizing downtime.

- With real time feedback and error prevention, production disruption are minimized, leading to smoother workflows and maintaining the cycle time.

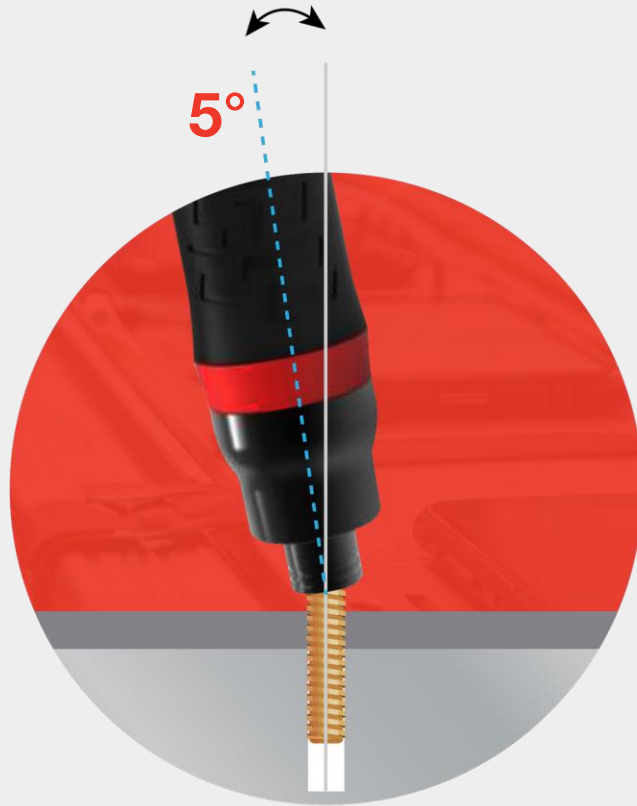


Closed Loop Transducer
for Torque and Angle
control

Precision Gears
for Accuracy
 $Cmk > 1.67 @ \pm 7\%$



TILT ANGLE CONTROL



QUALITY

Industry's first Tilt Angle ensures precise tool alignment at correct angle against the Joint, this improves thread alignment and reduce cross threads.

- Eliminate cross threads and reduce rework cost
- Maintains optimal alignment to prevent fastener and joint damage
- Delivers consistent fastening results when clubbed with torque and angle control

User can setup a working limit and data recorded with all fastening results.

PROCESS OPTIMIZATION

Full Process Traceability for process optimization

- MES/ Field bus integration provides real time visibility into production fastening data improves quality control, faster resolution, resulting in lower reworks and higher reliability

Increased Operator efficiency

- Automated Tool and Job selection reduces manual errors, saves times, allowing operators to focus critical task and boosting productivity

Configure
Upto 64 Jobs

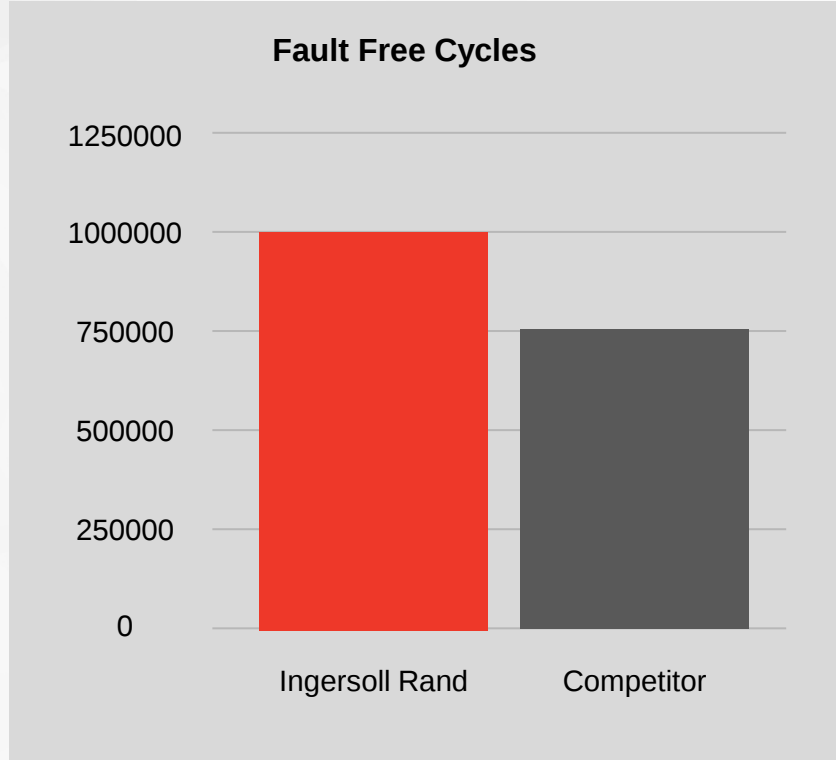
Integrated MES
and Fieldbus
support

- Open Protocol
- Ethernet IP
- Profinet
- Others

8x8 Integrated
Digital I/O's



COST OPTIMIZATION



Maximize Uptime and Minimize Cost.

The IQI Series is built to last over 1 million cycles in high production environments, significantly lowering downtime and maintenance needs.

This means fewer production disruptions and greater production uptime.

Lower Spare Parts and Tool Replacement Cost.

The durable design extends tool life, decreasing the frequency of spare parts usage and new tool investments. This reduces capital expenditure and overall maintenance cost, providing a total lower cost of ownership

Lower operational costs, minimized maintenance expenses and higher equipment utilization.

A large red circle is centered on the page. Inside the circle, there is a faint, light-colored technical drawing or blueprint of a mechanical component, possibly a valve or a pump assembly, with various lines, arrows, and hatching. The word 'SPECIFICATIONS' is written in bold, white, uppercase letters across the center of the circle.

SPECIFICATIONS

TRANSDUCERIZED – IQI-T SERIES

Activation	Model Number	Torque Nm	RPM	Weight (gms)	Drive Type	Length (mm)
Trigger Start	IQI2LT0017TQ4	0.02-0.17	50-1500	420	1/4 QC	243
	IQI2LT0017TM4	0.02-0.17	50-1500	420	Half Moon	243
	IQI2LT0050TQ4	0.1-0.5	20-1000	480	1/4 QC	243
	IQI2LT0100TQ4	0.2-1	20-1000	540	1/4 QC	243
	IQI2LT0200TQ4	0.4-2	20-800	540	1/4 QC	243
	IQI2LT0250TQ4	0.5-2.5	20-500	600	1/4 QC	243
	IQI4LT0500TQ4	2-5	20-500	1180	1/4 QC	248
	IQI4LT1000TQ4	4-10	10-300	1280	1/4 QC	248
	IQI4LT1500TQ4	5-15	2-200	1380	1/4 QC	248
Activation	Model Number	Torque Nm	RPM	Weight (gms)	Drive Type	Length (mm)
Push To Start	IQI2LT0017PQ4	0.02-0.17	50-1500	568	1/4 QC	269
	IQI2LT0017PM4	0.02-0.17	50-1500	568	Half Moon	269
	IQI2LT0050PQ4	0.1-0.5	20-1000	568	1/4 QC	269
	IQI2LT0100PQ4	0.2-1	20-1000	587	1/4 QC	269
	IQI2LT0200PQ4	0.4-2	20-800	587	1/4 QC	269
	IQI2LT0250PQ4	0.5-2.5	20-500	587	1/4 QC	269
	IQI4LT0500PQ4	2-5	20-500	1010	1/4 QC	272
	IQI4LT1000PQ4	4-10	10-300	1010	1/4 QC	272
	IQI4LT1500PQ4	5-15	2-200	1010	1/4 QC	272

CURRENT CONTROL – IQI-C SERIES

Activation	Model Number	Torque Nm	RPM	Weight (g)	Drive Type	Length (mm)
Trigger Start	IQI2LC0017TQ4	0.02-0.17	50-1500	362	1/4 QC	216
	IQI2LC0017TM4	0.02-0.17	50-1500	362	Half Moon	216
	IQI2LC0050TQ4	0.1-0.5	20-1000	419	1/4 QC	216
	IQI2LC0100TQ4	0.2-1	20-1000	438	1/4 QC	216
	IQI2LC0200TQ4	0.4-2	20-800	438	1/4 QC	216
	IQI2LC0250TQ4	0.5-2.5	20-500	438	1/4 QC	216
	IQI4LC0500TQ4	2-5	20-500	861	1/4 QC	242
	IQI4LC1000TQ4	4-10	10-300	861	1/4 QC	242
	IQI4LC1500TQ4	5-15	2-200	861	1/4 QC	242
Activation	Model Number	Torque Nm	RPM	Weight (g)	Drive Type	Length (mm)
Push To Start	IQI2LC0017PQ4	0.02-0.17	50-1500	457	1/4 QC	242
	IQI2LC0017PM4	0.02-0.17	50-1500	457	Half Moon	242
	IQI2LC0050PQ4	0.1-0.5	20-1000	514	1/4 QC	242
	IQI2LC0100PQ4	0.2-1	20-1000	533	1/4 QC	242
	IQI2LC0200PQ4	0.4-2	20-800	533	1/4 QC	242
	IQI2LC0250PQ4	0.5-2.5	20-500	533	1/4 QC	242
	IQI4LC0500PQ4	2-5	20-500	956	1/4 QC	263
	IQI4LC1000PQ4	4-10	10-300	956	1/4 QC	263
	IQI4LC1500PQ4	5-15	2-200	956	1/4 QC	263

CONTROLLERS AND CABLES

Controller

Model Number	IR Description	Compatibility
IQI11-FM	IQI series controller with fieldbus and MES for	All IQI Series Tools



Tool Cables & Power Supplies

Model Number	IR Description	Compatibility
IQI-CABLE-2M	IQI cable 2 meter	Current Control & Transducerized
IQI-CABLE-5M	IQI cable 5 meter	Current Control & Transducerized
IQI-PS-1	Power Supply for 0-2,5Nm	Current Control & Transducerized
IQI-PS-2	Power Supply for 5-15m	Current Control & Transducerized

COMPETITIVE LANDSCAPE

Price List

PRICE LIST- TRANSDUCERIZED SYSTEMS

Product Code: **395**

Activation	Model Number	Torque (Nm)	Price List Price €	Price List Price £
Trigger Start	IQI2LT0017TQ4	0.02-0.17	5339	4432
	IQI2LT0017TM4	0.02-0.17	5339	4432
	IQI2LT0050TQ4	0.1-0.5	5339	4432
	IQI2LT0100TQ4	0.2-1	5339	4432
	IQI2LT0200TQ4	0.4-2	5339	4432
	IQI2LT0250TQ4	0.5-2.5	5339	4432
	IQI4LT0500TQ4	2-5	5899	4896
	IQI4LT1000TQ4	4-10	5950	4939
	IQI4LT1500TQ4	5-15	5999	4979
Push to Start	IQI2LT0017PQ4	0.02-0.17	5446	4520
	IQI2LT0017PM4	0.02-0.17	5446	4520
	IQI2LT0050PQ4	0.1-0.5	5446	4520
	IQI2LT0100PQ4	0.2-1	5446	4520
	IQI2LT0200PQ4	0.4-2	5446	4520
	IQI2LT0250PQ4	0.5-2.5	5446	4520
	IQI4LT0500PQ4	2-5	6017	4994
	IQI4LT1000PQ4	4-10	6069	5037
	IQI4LT1500PQ4	5-15	6119	5079
Controller	IQI11-FM		3399	2821
Tool Cables	IQI-CABLE-2M		110	91
Tool Cables	IQI-CABLE-5M		231	192
Power Supply	IQI-PS-1		299	248
Power Supply	IQI-PS-2		499	414

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PRICE LIST- CURRENT CONTROL

Product Code: **395**

Activation	Model Number	Torque Nm	Price List Price €	Price List Price £
Trigger Start	IQI2LC0017TQ4	0.02-0.17	3524	2925
	IQI2LC0017TM4	0.02-0.17	3524	2925
	IQI2LC0050TQ4	0.1-0.5	3524	2925
	IQI2LC0100TQ4	0.2-1	3524	2925
	IQI2LC0200TQ4	0.4-2	3524	2925
	IQI2LC0250TQ4	0.5-2.5	3524	2925
	IQI4LC0500TQ4	2-5	3893	3231
	IQI4LC1000TQ4	4-10	3927	3259
	IQI4LC1500TQ4	5-15	3959	3286
Push to Start	IQI2LC0017PQ4	0.02-0.17	3594	2983
	IQI2LC0017PM4	0.02-0.17	3594	2983
	IQI2LC0050PQ4	0.1-0.5	3594	2983
	IQI2LC0100PQ4	0.2-1	3594	2983
	IQI2LC0200PQ4	0.4-2	3594	2983
	IQI2LC0250PQ4	0.5-2.5	3594	2983
	IQI4LC0500PQ4	2-5	3971	3296
	IQI4LC1000PQ4	4-10	4006	3325
	IQI4LC1500PQ4	5-15	4039	3352
Controller	IQI11-FM		3399	2821
Tool Cables	IQI-CABLE-2M		110	91
Tool Cables	IQI-CABLE-5M		231	192
Power Supply	IQI-PS-1		299	248
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