

MULTI TOOL CONTROLLER

The additional MTC module turns Makita tools into machines that can communicate directly with higher-level controls via the factory's internal WLAN network.

Worldwide communication in the 2.4 - 5.0 GHz band. Country-specific settings can be selected.

Bidirectional data exchange between the tool and the higher-level controller in real time.

Possibility of integration into production processes of all kinds.

Individual telegram adaptation to your system possible.

Tool configuration via USB interface, no special admin rights required for software on the PC

No license fees

No loss of data / radio interruption when changing the battery

All relevant data are shown on the OLED display on the tool

Optional addition of a barcode reader and identification systems (TAG's)

MTC is an "onboard" solution, there are no complex peripherals in the production environment. No additional control with a computer and monitor is required on the line.

SPACE REQUIREMENTS

- » As there is no external fastening controller, there is no need for computers and monitors on the production line. The tools on the line can be switched over without much effort.
- » Only the commands of the tool in the higher-level controller has to be adjusted. There is no need to relocate the peripherals hanging in between.

COST EFFICIENCY

- » Eliminates the need for additional computers and monitors.
- » In many cases no data such as torque, angle of rotation or screw curves are required on production lines, cost-effective solutions can be offered here. As in the automotive sector, it also applies here that the integrated controller requires considerably less space.



POSSIBLE APPLICATIONS OF MTC-EQUIPPED TOOLS

AUTOMOTIVE

CLASS C FITTINGS

The worker is shown the number of screw connections to be made on the display and receives a signal for OK, overall OK; if screw connections are faulty, this is reported with an NOK and the worker has the opportunity to correct it. No screw is forgotten. The signals can be assigned to the respective vehicle component by a higher-level controller.

CLASS B FITTINGS

For the screw connections where no data such as torque, angle and screw curves are required, but only an acknowledgment that the screw has been tightened to torque. The signals can be assigned to the respective vehicle component by a higher-level controller.

INDUSTRIAL, COMMERCIAL...

The tool's IO signal can be used to control signal lamps and/or locking systems without having to resort to expensive EC systems. The integration into new or existing worker guidance systems is done by telegram adjustments within the MTC.

MTC COMPATIBLE MODELS

DFT024FM4Z

DFL020F4Z

DFT025FM4Z

DFL063F4Z

DFT060FM4Z

DFL126F4Z

DFT087FM4Z

DFL303F4Z

DFT129FM4Z

DFL404F4Z



DFT024F**LXT 18V | BL Programmable Pistol Screwdriver****SPECIFICATIONS**

Voltage	18V
Driving Shank	1/4" Hex
Tightening Torque Range	0.5 - 2.0 Nm
No Load Speed	260 - 1,600 rpm
Length	161 mm
Width	75 mm
Height	242 mm (with BL1815N)
Weight	1.2 - 1.5 kg



- FORWARD / REVERSE
- SOFT START
- CONSTANT SPEED
- VARIABLE SPEED
- LED LIGHT
- ELECTRIC BRAKE

**2.0 Nm****DFT025F****LXT 18V | BL Programmable Pistol Screwdriver****SPECIFICATIONS**

Voltage	18V
Driving Shank	1/4" Hex
Tightening Torque Range	0.5 - 2.0 Nm
No Load Speed	100 - 1,300 rpm
Length	161 mm
Width	75 mm
Height	242 mm (with BL1815N)
Weight	1.2 - 1.5 kg



- FORWARD / REVERSE
- SOFT START
- CONSTANT SPEED
- VARIABLE SPEED
- LED LIGHT
- ELECTRIC BRAKE

**2.0 Nm****DFT060F****LXT 18V | BL Programmable Pistol Screwdriver****SPECIFICATIONS**

Voltage	18V
Driving Shank	1/4" Hex
Tightening Torque Range	1.5 - 6.5 Nm
No Load Speed	100 - 1,300 rpm
Length	161 mm
Width	75 mm
Height	242 mm (with BL1815N)
Weight	1.2 - 1.5 kg



- FORWARD / REVERSE
- SOFT START
- CONSTANT SPEED
- VARIABLE SPEED
- LED LIGHT
- ELECTRIC BRAKE

**6.5 Nm****ACCESSORIES**

424985-0
Protector - Red



424987-6
Protector - Yellow



281012-4
Hook



765027-4
Torque
Adjustment Tool





EXTENDED ROTATION SPEED RANGE

- » Extended low speed range enables to set the torque low enough to firmly but gently tighten plastic screws, hose clamp screws, etc.
- » Extended high speed range shortens takt time.

CLUTCH DETECTION METHOD

For increased durability of the clutch detection system, a contact-type method using a Micro-switch has been changed to a non-contact method using a Hall sensor.

PROGRAMMABLE SPEED CONTROL

- » Speed control can be programmed depending on types of joints (hard joints or soft joints) or takt time.
- » Speed control program you have set can be entered into the machine from Windows 7, 8 and 10 with a USB connection.



DFT087F**LXT 18V | BL Programmable Pistol Screwdriver****SPECIFICATIONS**

Voltage	18V
Driving Shank	1/4" Hex
Tightening Torque Range	3.0 - 8.0 Nm
No Load Speed	100 - 1,250 rpm
Length	179 mm
Width	75 mm
Height	242 mm (with BL1815N)
Weight	1.3 - 1.6 kg



- FORWARD / REVERSE
- SOFT START
- CONSTANT SPEED
- VARIABLE SPEED
- LED LIGHT
- ELECTRIC BRAKE

**8.0 Nm****DFT129F****LXT 18V | BL Programmable Pistol Screwdriver****SPECIFICATIONS**

Voltage	18V
Driving Shank	1/4" Hex
Tightening Torque Range	5.0 - 12.0 Nm
No Load Speed	70 - 900 rpm
Length	179 mm
Width	75 mm
Height	242 mm (with BL1815N)
Weight	1.3 - 1.6 kg



- FORWARD / REVERSE
- SOFT START
- CONSTANT SPEED
- VARIABLE SPEED
- LED LIGHT
- ELECTRIC BRAKE

**12.0 Nm****ACCESSORIES****422920-2**

Protector - Clear

**422922-8**

Protector - Blue

**422924-4**

Protector - Green

**422921-0**

Protector - Red

**422923-6**

Protector - Yellow

**281012-4**

Hook

**765027-4**

Torque Adjustment Tool

**4JGL-5015**

Tool Holder

**EXTENDED ROTATION SPEED RANGE**

- » Extended low speed range enables to set the torque low enough to firmly but gently tighten plastic screws, hose clamp screws, etc.
- » Extended high speed range shortens takt time.

CLUTCH DETECTION METHOD

For increased durability of the clutch detection system, a contact-type method using a Micro-switch has been changed to a non-contact method using a Hall sensor.



TORQUE CONTROL

Torque can be adjusted with a special tool for exact torque control.

IDENTIFICATION PLATE



MAINTENANCE ALARM

- » A yellow LED starts blinking to indicate that the preset number of screws tightened is reached.
- » Auto-stop function can be additionally preset.

DUAL LED LIGHTS

Illuminates the working place even in narrow spaces. Afterglow function keeps the light active up to 10 seconds after trigger is released.



FORWARD/REVERSE SWITCH

ERGONOMIC GRIP

SOFT START

The screwing operation starts with a soft load to stabilise the screw.

MTC COMPATIBLE

The module can be built into the tool body.



LXT 18V BATTERY



LARGE LED INDICATOR

Large LED light provides various indications for the operator to easily know alarms and the current status of the tools.



HANGING HOOK

The tool is equipped with holes compatible with the optional hanging hook for storage purposes.

PROGRAMMABLE SPEED CONTROL

- » Speed control can be programmed depending on types of joints (hard joints or soft joints) or takt time.
- » Speed control program you have set can be entered into the machine from Windows 7, 8 and 10 with a USB connection.

TOOL HOLDER

- » SUS joint universal tool holder. Made from plastic to minimise risk of tool damage.
- » Suitable for DFT024F, DFT025F, DFT060F, DFT087F, and DFT129F.



DFL020F

LXT 18V | Brushless Programmable Angle Screwdriver

SPECIFICATIONS

Voltage	18V
Driving Shank	3/8" Square
Tightening Torque Range	0.5 - 2.0 Nm
No Load Speed	100 - 1,300 rpm
Length	380 mm (with BL1815N)
Width	74 mm
Height	116 mm
Weight	1.3 - 1.6 kg



2.0 Nm



FORWARD / REVERSE



CONSTANT SPEED



LED LIGHT



SOFT START



VARIABLE SPEED



ELECTRIC BRAKE

DFL063F

LXT 18V | Brushless Programmable Angle Screwdriver

SPECIFICATIONS

Voltage	18V
Driving Shank	3/8" Square
Tightening Torque Range	1.5 - 6.5 Nm
No Load Speed	50 - 310 rpm
Length	380 mm (with BL1815N)
Width	74 mm
Height	116 mm
Weight	1.3 - 1.7 kg



6.5 Nm



FORWARD / REVERSE



CONSTANT SPEED



LED LIGHT



SOFT START



VARIABLE SPEED



ELECTRIC BRAKE

ACCESSORIES

422510-1
Head Protector:
Clear



422515-1
Motor Protector:
Clear



422511-9
Head Protector:
Blue



422516-9
Motor Protector:
Blue



422513-5
Head Protector:
Green



422518-5
Motor Protector:
Green



422512-7
Head Protector:
Red



422517-7
Motor Protector:
Red



422514-3
Head Protector:
Yellow



422519-3
Motor Protector:
Yellow



281012-4
Hook



765027-4
Torque
Adjustment Tool



136507-1
3/8" Square
Angle Head



136508-9
1/4" HEX
Angle Head



136509-7
1/4" Square
Angle Head



FEATURES ALSO APPLY TO: DFL126F | DFL303F | DFL404F



LED RING INDICATOR

Illuminates forward so the operator can easily see and understand the indicator status.



TWIN LED JOB LIGHT

Equipped with preglow and afterglow functions.

FORWARD/REVERSE SWITCH

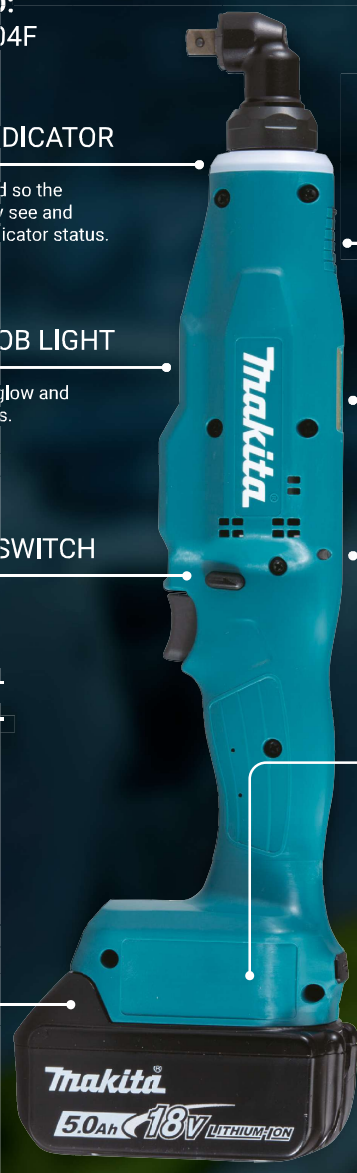
COMPACT & LIGHTWEIGHT

- » The weight and overall length have been decreased to reduce the stress on the operator's wrist and hand.
- » Centre height and head height have also been reduced for better handling.

LXT 18V BATTERY

MAINTENANCE ALARM

- » A yellow LED starts blinking to indicate that the preset number of screws tightened is reached.
- » Auto-stop function can be additionally preset.



TORQUE CONTROL

Torque can be adjusted with a special tool for exact torque control.



IDENTIFICATION PLATE

00090
1.5-6.5Nm



HANGING HOOK

The tool is equipped with holes compatible with the optional hanging hook for storage purposes.

MTC COMPATIBLE

The module can be built into the tool body.



USB TERMINAL

USB terminal for rotation speed change.



CLUTCH DETECTION

For increased durability of the clutch detection system, a contact-type method using a micro-switch has been changed to a non-contact method using a Hall sensor.

PROGRAMMABLE SPEED CONTROL

- » Speed control can be programmed depending on types of joints (hard joints or soft joints) or takt time.
- » Speed control program you have set can be entered into the machine from Windows 7, 8 and 10 with a USB connection.

AUTO-STOP SYSTEM

Indicator lamp and beeper warn assembly worker visually and audibly of battery power reduction. If battery power reduces further, the motor automatically stops to prevent NOK fastening.

DFL126F**LXT 18V | Brushless Programmable Angle Screwdriver****SPECIFICATIONS**

Voltage	18V
Driving Shank	3/8" Square
Tightening Torque Range	5.0 - 12.0 Nm
No Load Speed	70 - 1000 rpm
Length	408 mm (with BL1815N)
Width	81 mm
Height	116 mm
Weight	1.7 - 2.0 kg

LXT BL MOTOR**12.0 Nm**

FORWARD / REVERSE



CONSTANT SPEED



LED LIGHT



SOFT START



VARIABLE SPEED



ELECTRIC BRAKE

DFL303F**LXT 18V | Brushless Programmable Angle Screwdriver****SPECIFICATIONS**

Voltage	18V
Driving Shank	3/8" Square
Tightening Torque Range	10.0 - 30.0 Nm
No Load Speed	50 - 420 rpm
Length	456 mm (with BL1815N)
Width	81 mm
Height	95 mm
Weight	2.1 - 2.4 kg

LXT BL MOTOR**30.0 Nm**

FORWARD / REVERSE



CONSTANT SPEED



LED LIGHT



SOFT START



VARIABLE SPEED



ELECTRIC BRAKE

DFL404F**LXT 18V | Brushless Programmable Angle Screwdriver****SPECIFICATIONS**

Voltage	18V
Driving Shank	3/8" Square
Tightening Torque Range	20.0 - 40.0 Nm
No Load Speed	50 - 310 rpm
Length	456 mm (with BL1815N)
Width	81 mm
Height	95mm
Weight	2.1 - 2.4 kg

LXT BL MOTOR**40.0 Nm**

FORWARD / REVERSE



CONSTANT SPEED



LED LIGHT



SOFT START



VARIABLE SPEED



ELECTRIC BRAKE

ACCESSORIES

■ 422B24-2

■ 422B29-2
Head Protector:
Clear

■ ■ ■ 422B19-5

Motor Protector:
Clear

■ 422B28-4

■ 422B33-1
Head Protector:
Green

■ ■ ■ 422B23-4

Motor Protector:
Green

■ 422B27-6

■ 422B32-3
Head Protector:
Yellow

■ ■ ■ 422B22-6

Motor Protector:
Yellow

■ 422B25-0

■ 422B30-7
Head Protector:
Red

■ ■ ■ 422B20-0

Motor Protector:
Red

■ 422B26-8

■ 422B31-5
Head Protector:
Blue

■ ■ ■ 422B21-8

Motor Protector:
Blue

■ ■ ■ 765027-4

Torque
Adjustment Tool

■ 141V61-4

1/4" Square Drive Spindle
(Spring Pin)

FEATURES

Compact and lightweight for reduced operator fatigue.

Automatic stop when voltage drops to ensure torque accuracy.

LED and maintenance alarm indicate condition of the clamping.

Automatically shuts off the power when the battery level is low.

Hole for optional hanging hook accessory (281012-4).

USB terminal for rotation speed change.

Twin LED job light with pre glow and afterglow functions.

MTC compatible (DFL126, DFL303, DFL404)

IMPROVED LAMP VISIBILITY

The visibility for the operator has been improved by positioning the indicator lamp in a ring shape at the tip of the tool and enlarging the lamp.

