DrillSaw Highspeed 200™ Power System
AR-200

Arthrex®

DrillSaw Highspeed 200™ Power System

The versatile Arthrex DrillSaw Highspeed 200 power system is designed for multiple distal extremity procedures.

The unique corded power system functions at high torque and low speed, which makes it optimal for repetitive bony cuts while sparing the surrounding soft tissue. As such, this system is perfect for minimally invasive foot surgery.

The system is also compatible with all AR-300 attachments, making it a capable, corded power unit.

DrillSaw Highspeed 200™ Power System Number One in Operation

The following can be set individually:

Program [Ⓟ]
Motor speed [rpm]
Torque [Ncm]
Coolant supply volume [ ]
Transmission ratio [ ]

DrillSaw Highspeed 200™ Power System
Number One in Operation

Automatic detection of motor

Ideal for minimally invasive surgery

AR-200M can be used with all DrillSaw Mini 300™ attachments

Motor with cable and motor holder are sterilizable (135 °C)

AR-200 Number One in the Operating Room

Powerful Motor
Top quality and power – for all surgical applications
AR-200M Motor speed of 300 - 15 000 rpm
AR-200M-ISO Motor speed of 300 - 40 000 rpm
Shortest and lightest 40 000 rpm motor on the market Length: 82.5 mm Weight: 137 g
Motor with cable and motor holder are sterilizable (135 °C)

AR-200M

Motor speed of 300 - 15 000 rpm

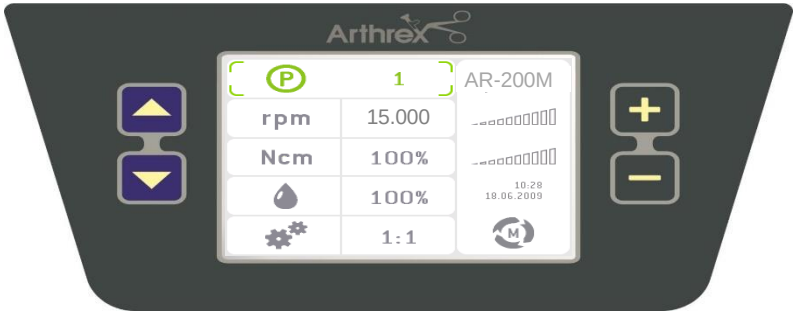
Coupling for AR-300 attachments

AR-200 Display

Logical Integration for Ease of Use:

One operating stage for setting the most crucial parameters

Six programs can be set individually

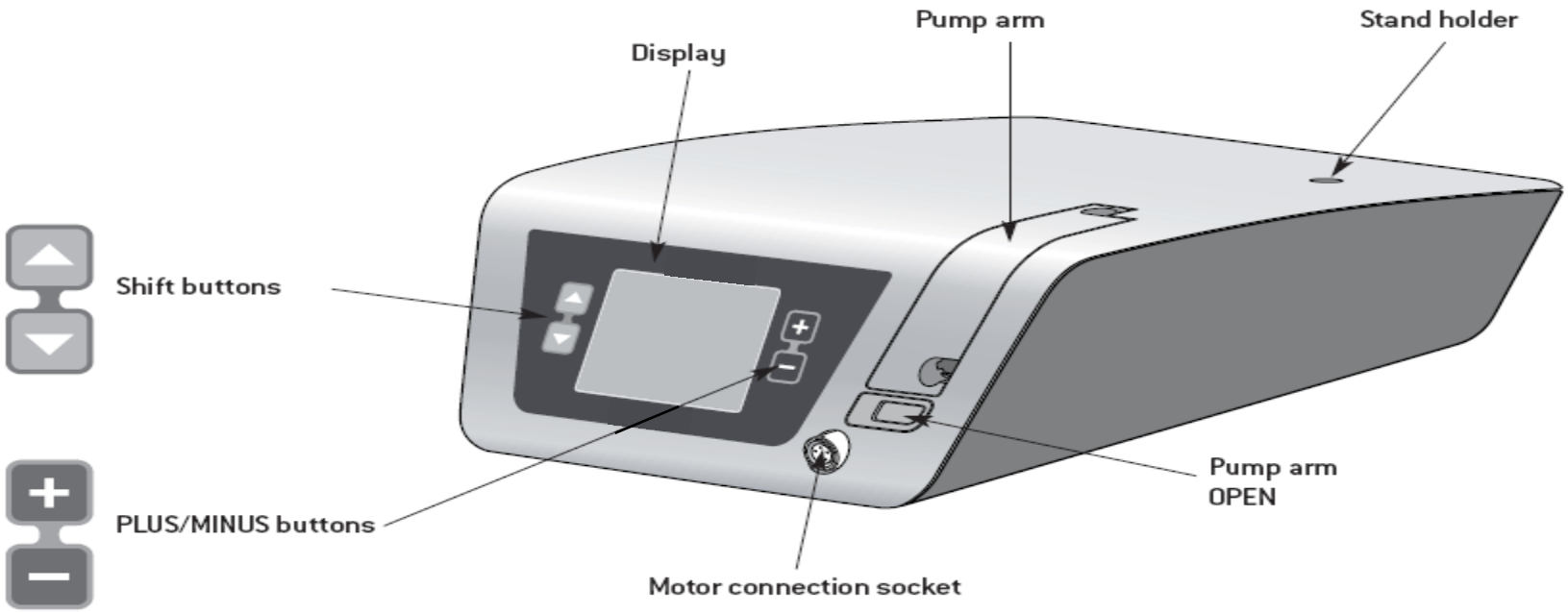


AR-200 Foot Pedal

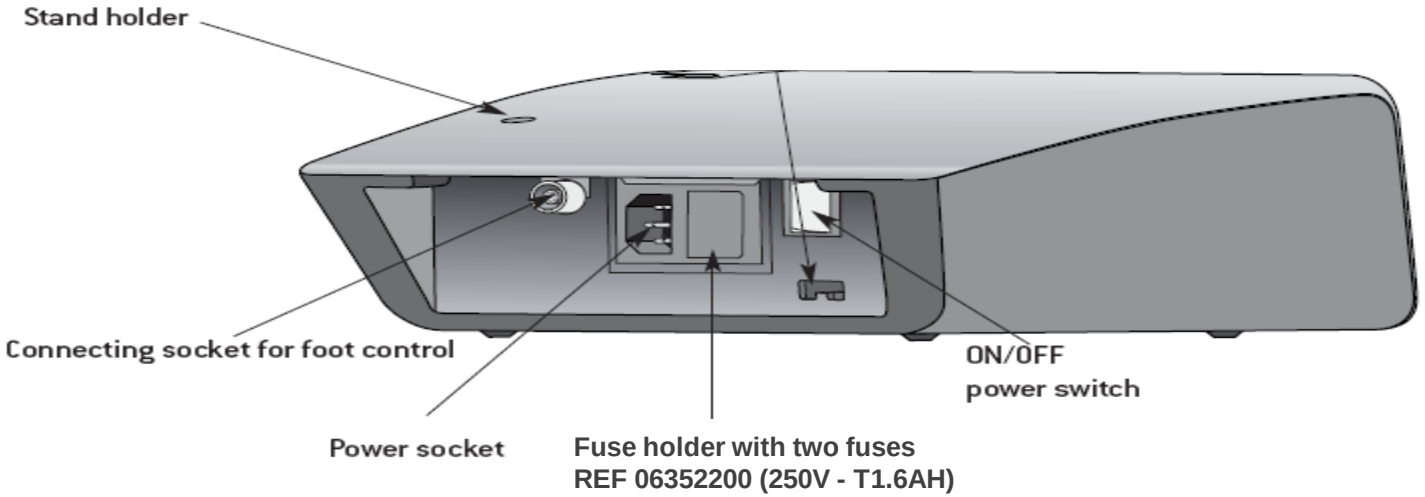
Intelligent Foot Control:

- Program selection
- Connection and disconnection of coolant pump
- Forward/reverse operation
- Infinitely variable control of the motor up to the preselected speed
- On/off function
- IPX8- and AP-tested

AR-200 Overview - Front



AR-200 Overview - Back



AR-200 Operational Design

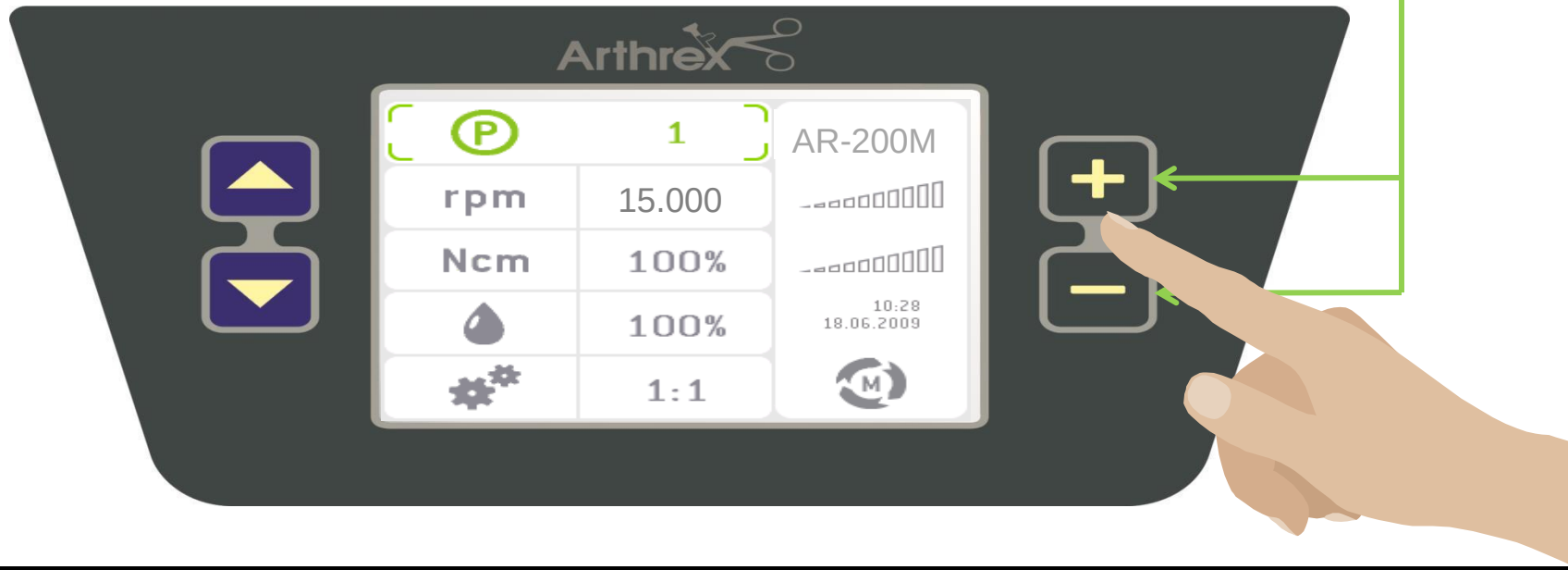
Operated by four buttons on the device:

> Two buttons for selecting parameters

> Two buttons for changing parameters

AR-200 Operational Design

Change program:

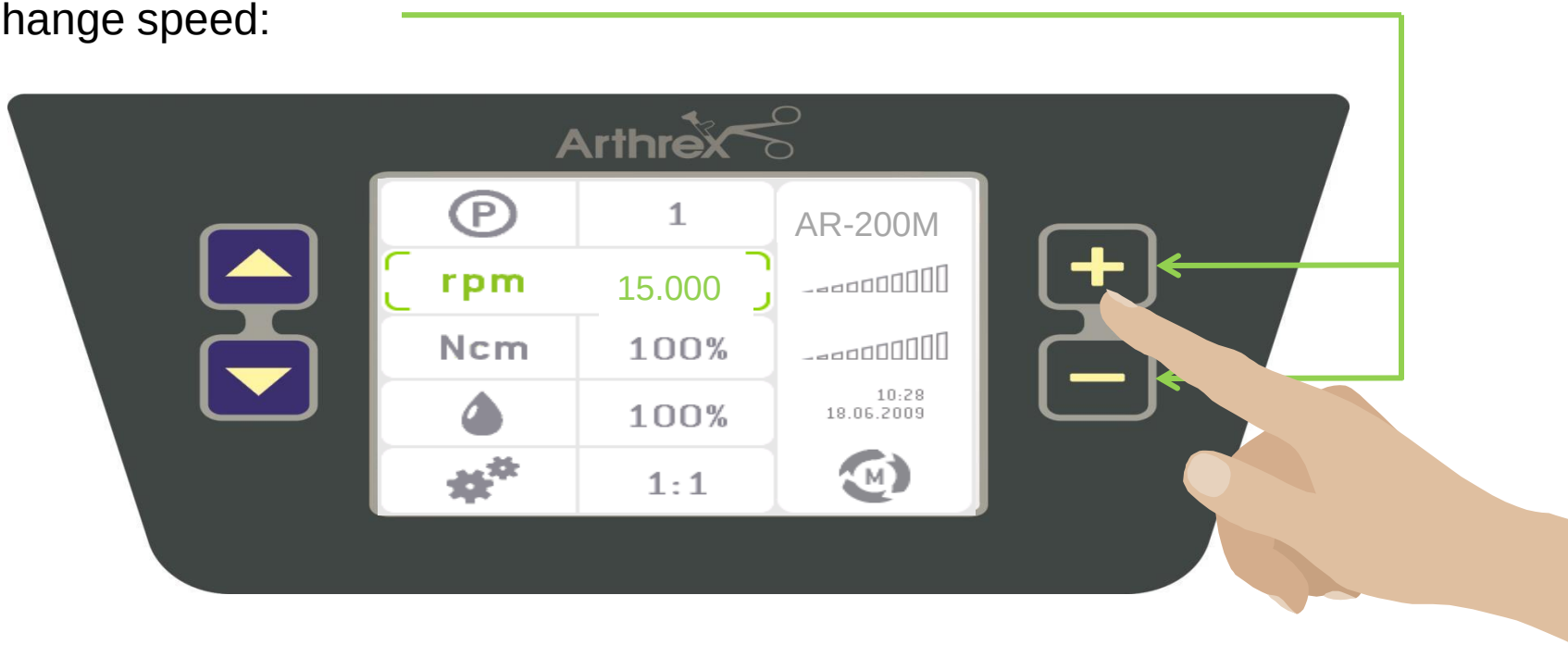


AR-200 Operational Design

Change selection:

AR-200 Operational Design

Change speed:

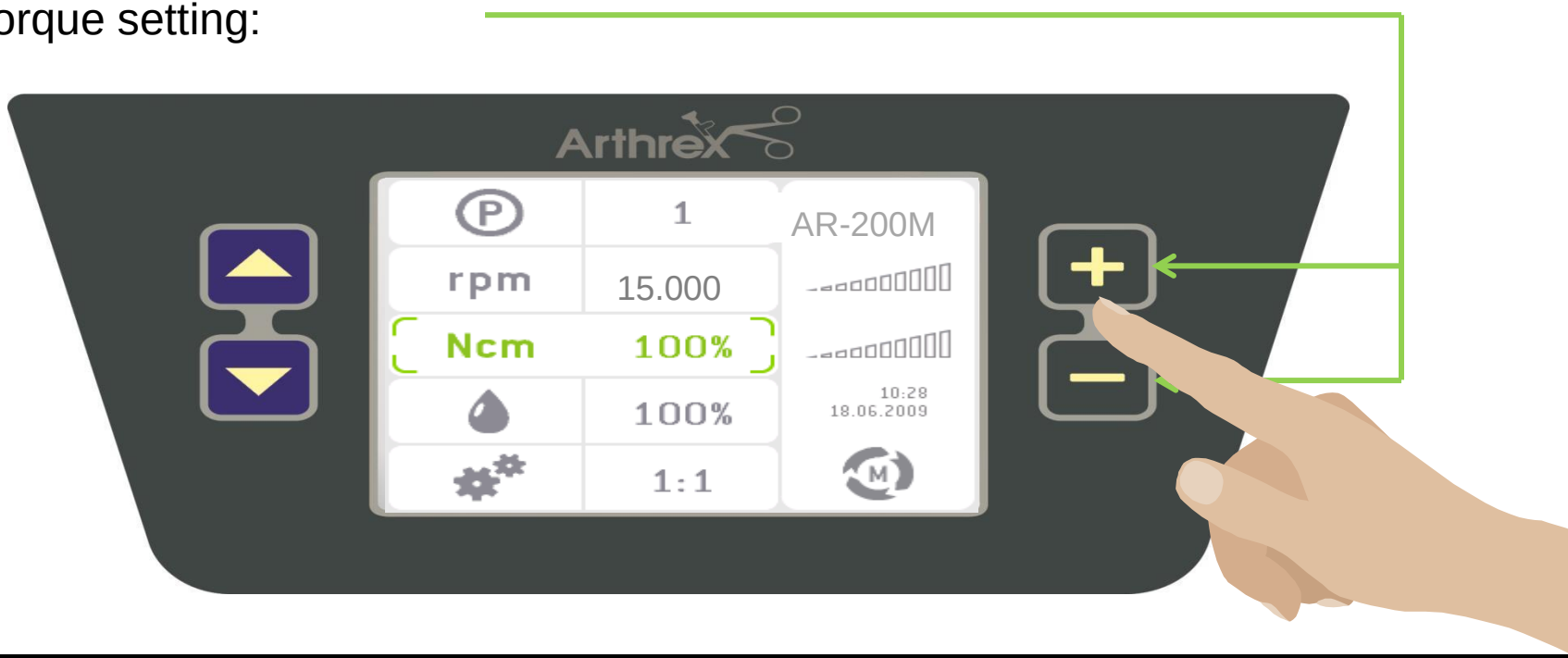


AR-200 Operational Design

Change selection:

AR-200 Operational Design

Torque setting:

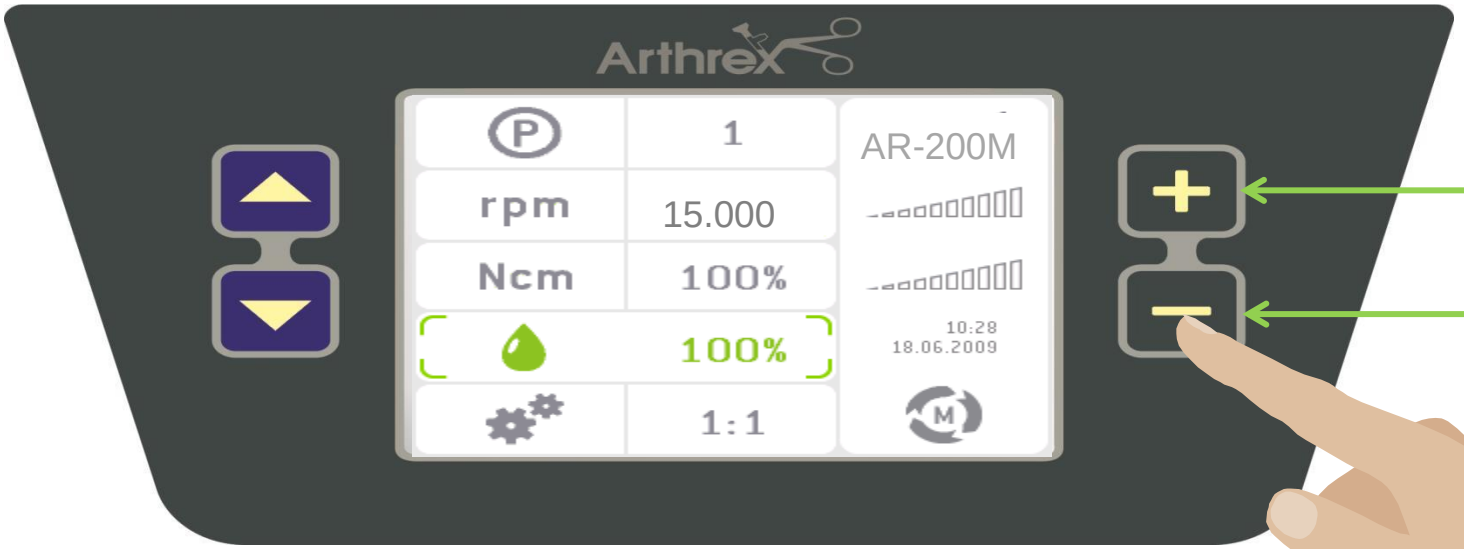


AR-200 Operational Design

Change selection:

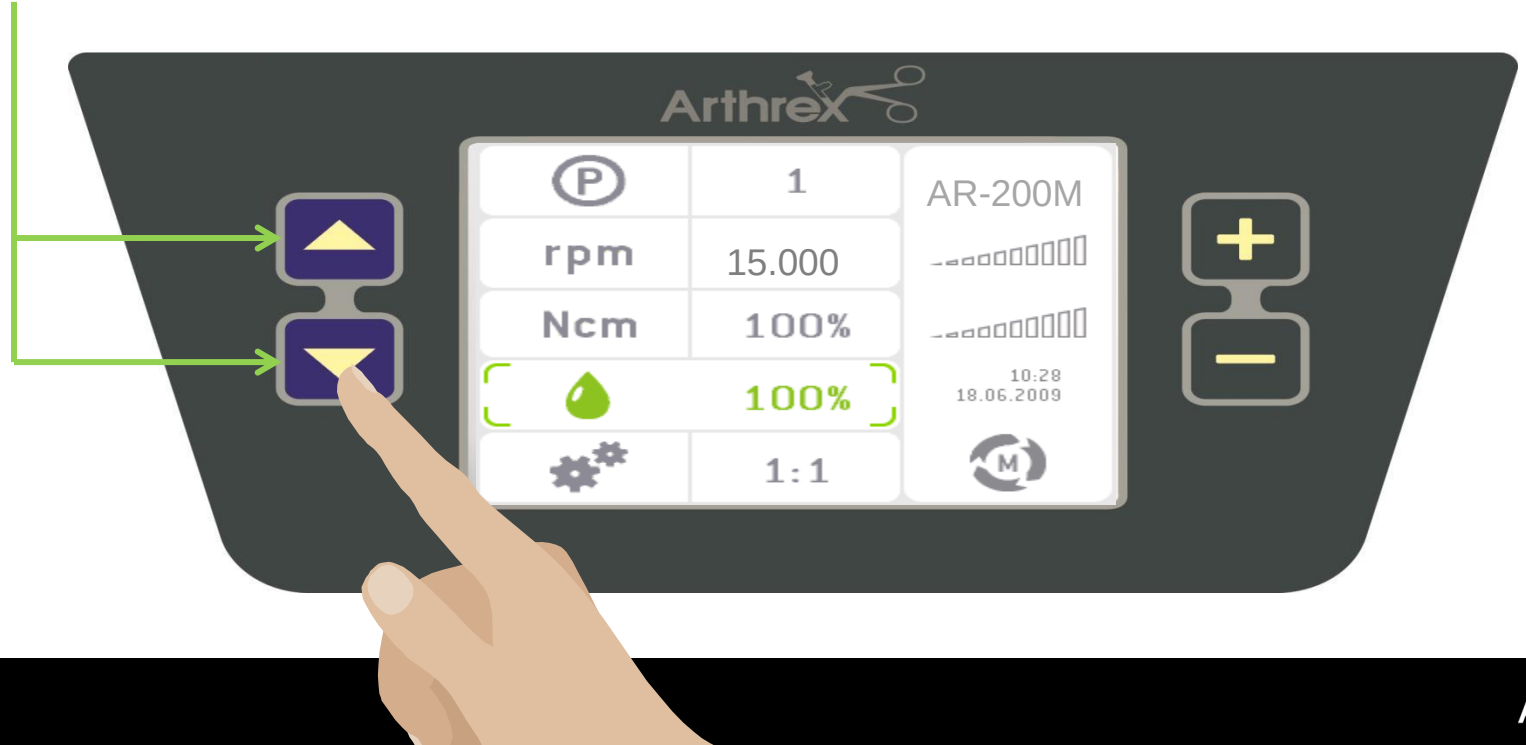
AR-200 Operational Design

Coolant supply volume:



AR-200 Operational Design

Change selection:



AR-200 Operational Design

Transmission ratio:

AR-200 Operational Design

Setup settings:

Hold both for two seconds

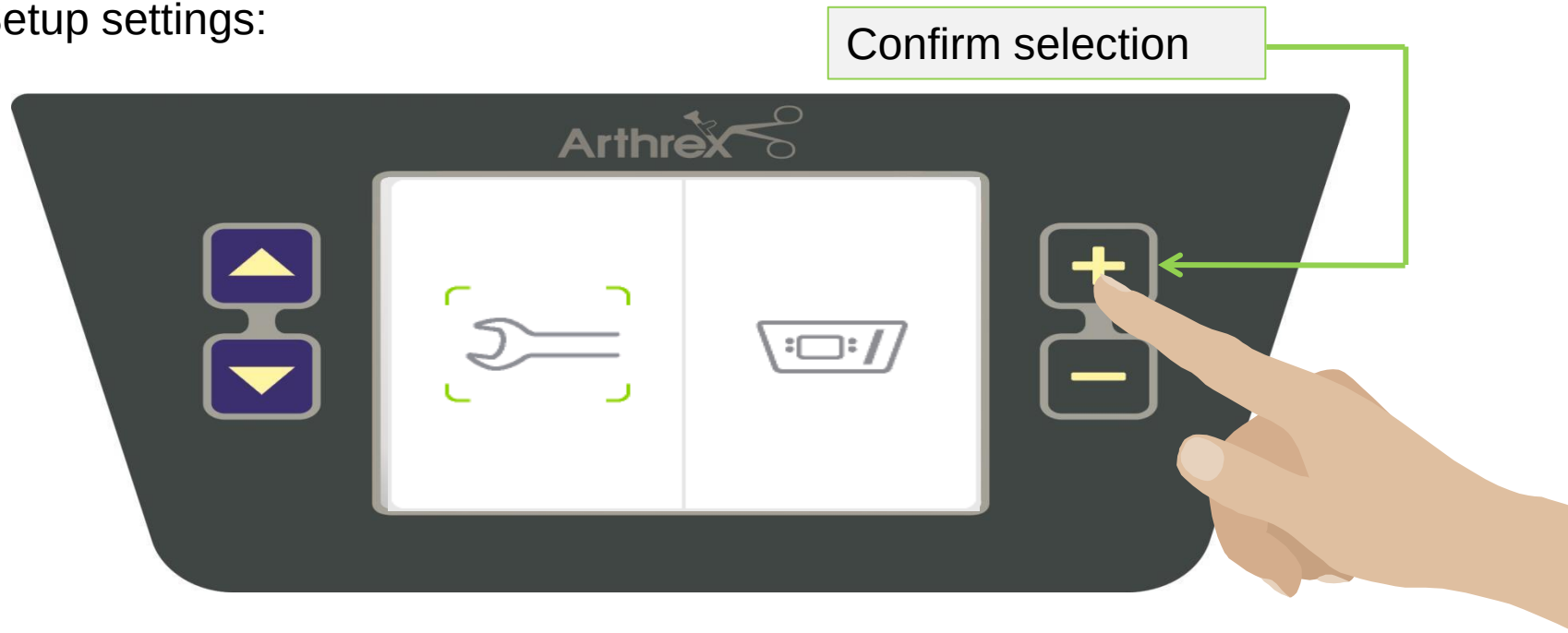
AR-200 Operational Design

AR-200 Operational Design

Setup settings:

AR-200 Operational Design

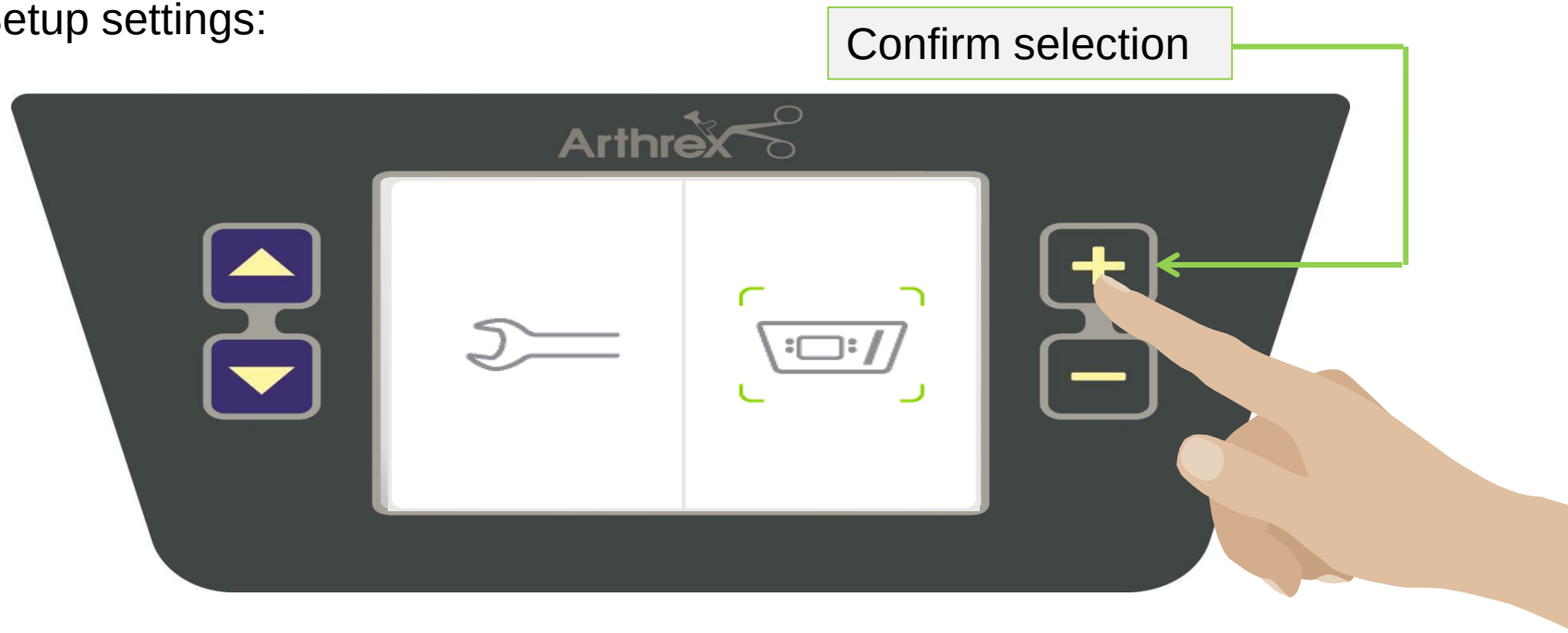
Setup settings:



AR-200 Operational Design

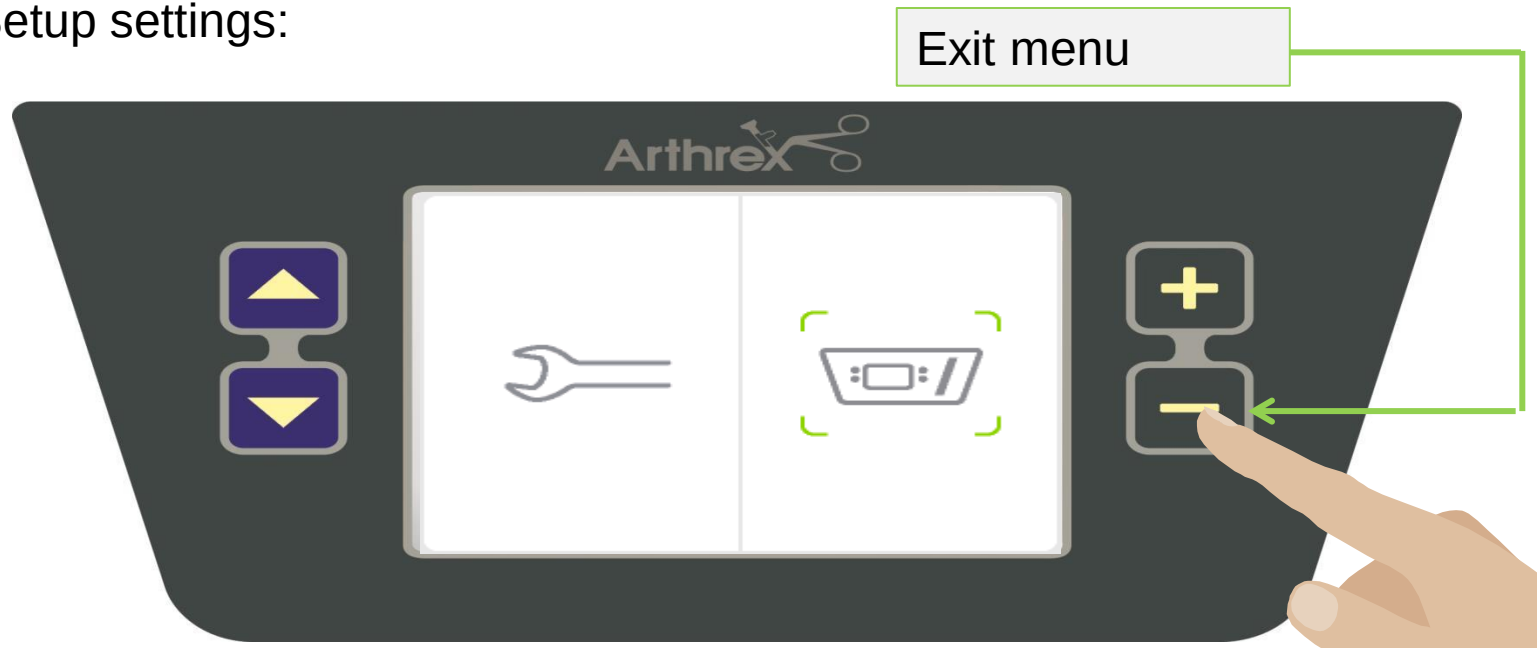
AR-200 Operational Design

Setup settings:



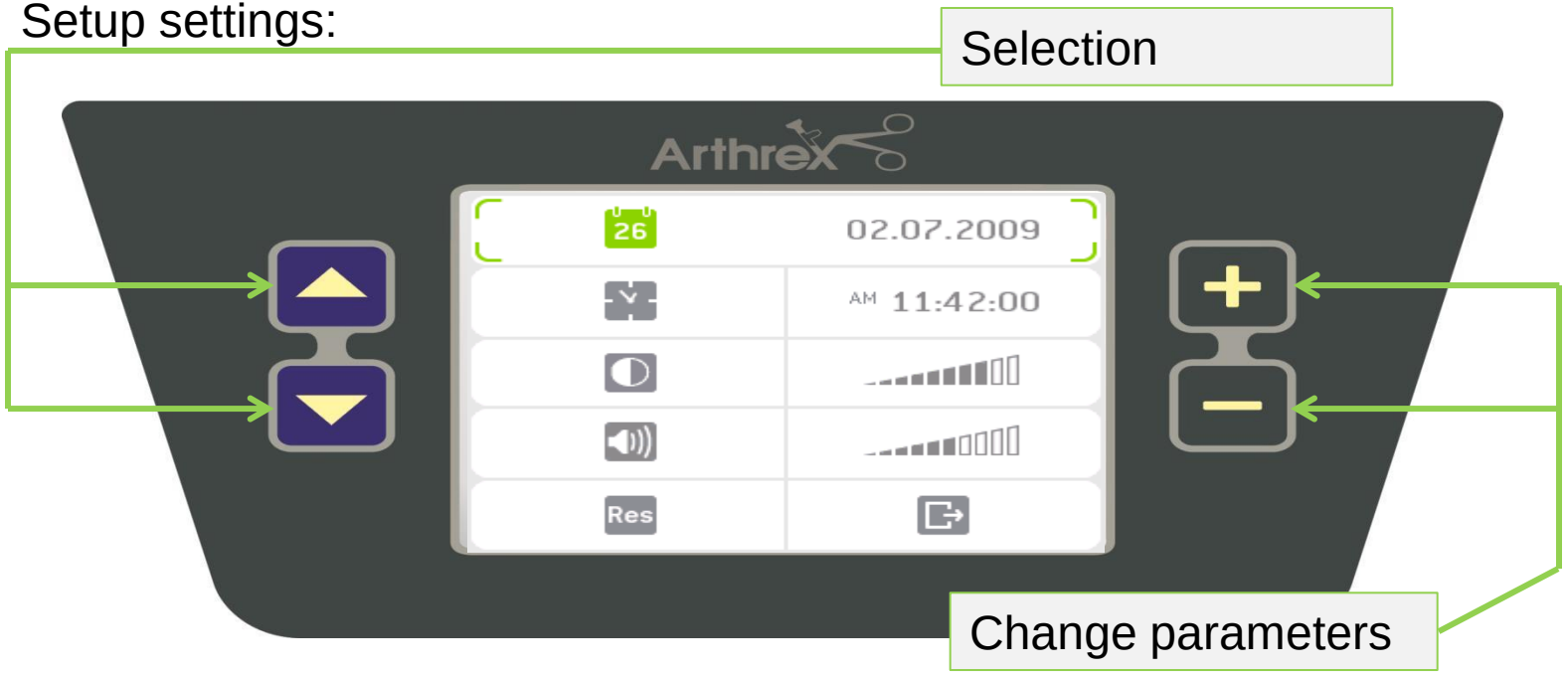
AR-200 Operational Design

Setup settings:



AR-200 Operational Design

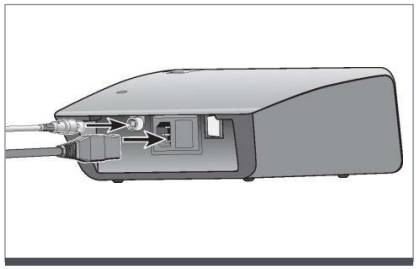
Setup settings:



How to Set Up the Console

Basic Setup Procedure for AR-200

Set up the AR-200

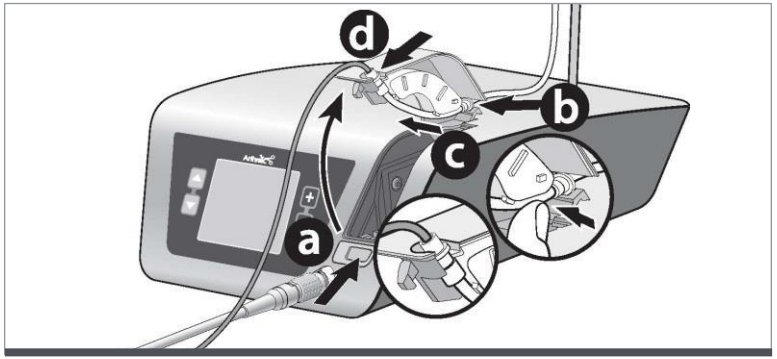


- Connect the power cord
- Connect the foot control cable to the console

Connect the handpiece motor to the console

Basic Setup Procedure for AR-200

Irrigation Pump Tubing Setup



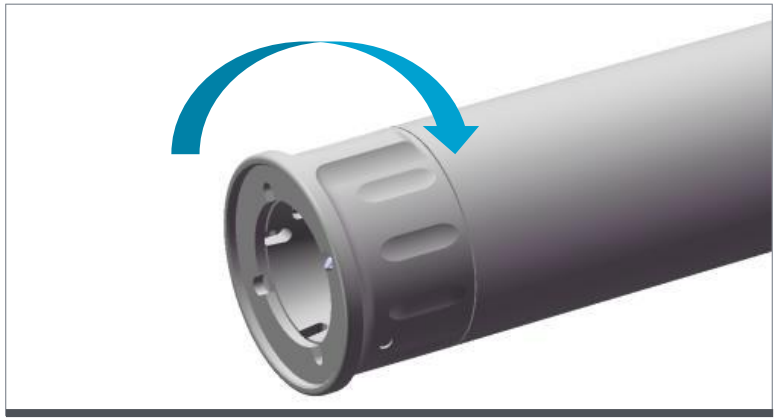
a	Open the pump arm door
b,c	Insert the irrigation pump tubing
d	Close the pump arm door

Basic Setup Procedure for AR-200

Follow the same sequence when removing the irrigation tubing

Connecting Attachments to the AR-200M Motor

To insert the attachment

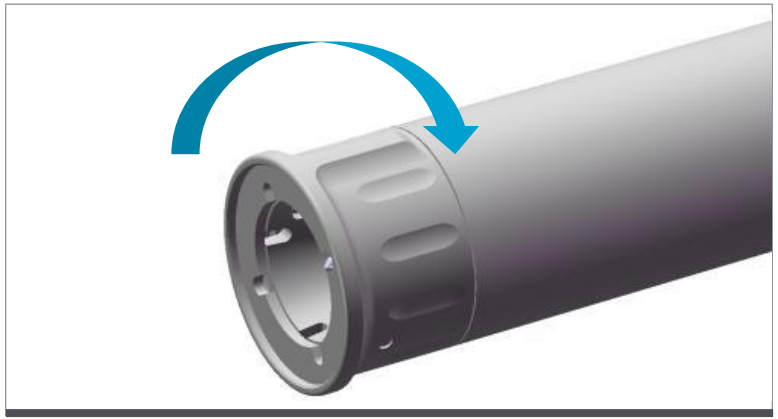


Turn the motor chuck mechanism.

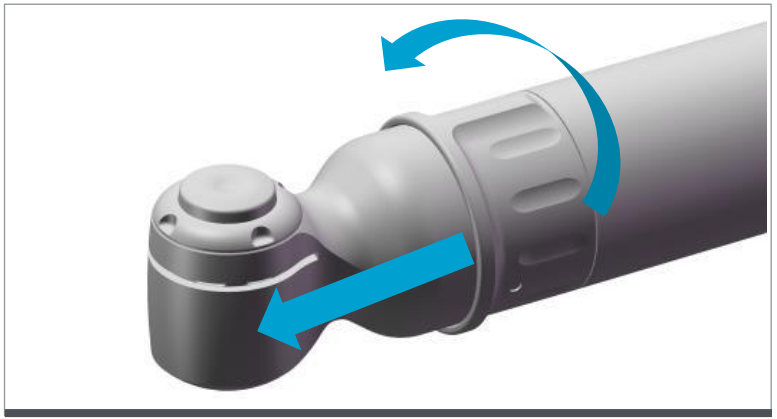
Push the adapter into the locking mechanism and release the chuck mechanism.

Connecting Attachments to the AR-200M Motor

To Remove the Attachment



Turn the motor chuck mechanism.

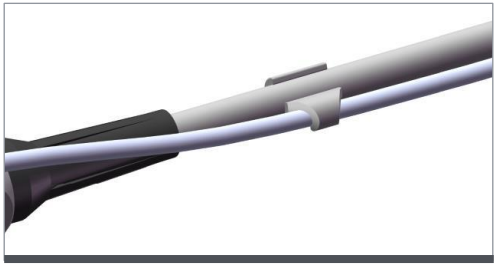


Pull out the adapter.

AR-200SP Spray Clip

Attach the spray clip to the motor.
The spray clip groove matches with the coupling ring of the motor.

Insert the tubing end onto the proximal rod end of the spray clip.



Fix the irrigation tubing in the clips of the motor cable.

AR-200 Factory Settings
AR-200M

Program	Speed [rpm]	Torque [Ncm]	Coolant Supply Volume	Coolant	Transmission Ratio	Motor Direction
P1	15 000	100%	100%	Disabled	1:1	Clockwise
P2	8 000	100%	100%	Disabled	1:1	Clockwise
P3	3 000	100%	100%	Disabled	1:1	Clockwise
P4	15 000	100%	100%	Disabled	1:1	Clockwise
P5	15 000	100%	100%	Disabled	1:1	Clockwise
P6	15 000	100%	100%	Disabled	1:1	Clockwise

Technical Data

Console AR-200C

Power supply	110 - 130 V / 220 - 240 V, 50/60 Hz, 0.1 - 1.8 A / 0.1 - 0.9 A
Dimensions (W/H/D)	256 mm (10 in) x 109 mm (4.3 in) x 305 mm (12 in)
Weight	7.0 kg (15.4 lb)
Maximum flow rate	≥ 90 mL/min
Mains fuse	2 x 250 V – T1.6AH

AR-200M

Torque	7 Ncm
Speed	300 – 15 000 rpm

AR-200 Error Message

Button pressed during start-up

Foot control not recognized

Foot control faulty

Electronics temperature

Motor not recognized

Motor error

Motor faulty

Electronics overloaded

Service

Saw Attachments

Saw attachment – sagittal	AR-300SAG
Saw attachment – reciprocating	AR-300SR

Drill Attachments

Drill attachment – style AO	AR-300DAO-2
Drill keyless chuck (0 - 3 mm)	AR-300DK30
Drill keyless chuck (2.0 - 4.5 mm)	AR-300DK45
Drill Jacobs chuck (0 - 4 mm) 1300 rpm	AR-300DJ
Drill Jacobs chuck hybrid (0 - 5 mm) 1300 rpm	AR-300DJH

Burr Attachments

Burr attachment 2.35 mm	AR-300B 15 000 rpm
Drill attachment 2.35 mm	AR-300B-2 2 750 rpm

Reamer Attachments

Reamer adapter AO 500 rpm	AR-300RAO
Reamer Jacobs chuck (0 - 4 mm) 500 rpm	AR-300RJ

!

Please use the ream attachments for hindfoot and ankle procedures!

→ Higher torque

Wire/Pin Driver Attachments

Wire driver attachment (0.6 - 1.6 mm)	AR-300WD16
Pin driver attachment (1.0 - 2.4 mm)	AR-300PD24

Adapters

Offset adapter	AR-200CA
Spray clip	AR-200SP

Coupling Geometries

All drill and screw attachments are offered with different coupling geometries

Round shank

Dental

Twist drill AO (mini quick)

AR-300B
AR-300B-2

J-notch

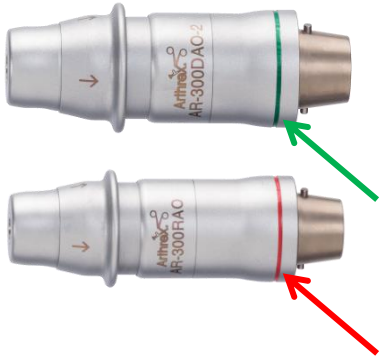
Hex (-agonal) coupling (mainly US)

AO-ASIF quick coupling (Synthes)

Color Coding

Drill attachment:
Marked green + AR-300D
1300 rpm

Ream attachment:
Marked red + AR-300R
500 rpm



Arthrex Power Family

Possible

Optimal

	Prosthetics	Trauma Heavy Duty	Trauma Light Duty	Foot	Hand
 DrillSaw Max 600™ power system	Possible	Possible	Optimal		
 DrillSaw Sports 400™ power system		Possible	Possible	Optimal	
 DrillSaw Mini 300™ power system			Optimal	Possible	
 DrillSaw Highspeed 200™ power system			Optimal	Possible	

This description of technique is provided as an educational tool and clinical aid to assist properly licensed medical professionals in the usage of specific Arthrex products. As part of this professional usage, the medical professional must use their professional judgment in making any final determinations in product usage and technique. In doing so, the medical professional should rely on their own training and experience and should conduct a thorough review of pertinent medical literature and the product's directions for use. Postoperative management is patient-specific and dependent on the treating professional's assessment. Individual results will vary and not all patients will experience the same postoperative activity level or outcomes.