



REFINED
COMFORTABLE
DURABLE
2018 / 01

BDC Dental Corporation Ltd.



BDC Dental Corporation Ltd.

BDC is strategically located in Guangzhou with a 120,000 square feet modern manufacturing facility and is devoted to be the leading dental equipment manufacturer in China by consolidating R&D, production, marketing, and service.

BDC is a Sino-Canadian joint venture with a vision of creating next standards for dental equipment industry, which has two brands Twocore and Younity. BDC will inherit the advanced manufacturing technologies and strict techniques from Canada along with the most sophisticated manufacturing and inspection equipment. BDC facility is certified with ISO 13485 Quality Management System and products are CE approved and FDA cleared. Under the new joint venture agreement, BDC will produce reliable, durable and affordable dental handpiece, chair, autoclaves, suction and air compressor to the world.

BDC is oriented by the demands of the dentists and strives to bring everyone a healthy and confident smile.





E-generator



LED



Triple ports spray



Internal water spray



Sterilizable up to 135°C



Thermo washer disinfectable

E-generator Handpiece

Direct-LED

LED is optimally positioned on the face of the handpiece to provide a larger light pattern than traditional fiber optic systems.

RD-3G



Front Bearing
Housing

Flat Washer

Ceramic Be

O-ring

E-stop O-ring

Series

aring

Spindle

O-ring

Back Cap

Wave Washer

Ceramic Bearing

Turbine



Direct-LED

LED is optimally positioned on the face of the handpiece to provide a larger light pattern than traditional fiber optic systems.



Precision Ceramic Bearings

It is specially designed for smooth and quiet operation. It also provides superior torque and a long lifespan.



Micro-Tex Surface

The latest surface enhancement technology creates a micro-textured and scratch proof surface that lowers the possibility of slipping during operation.



Triple Water Spray

Effectively cools the entire surface of the bur that avoids overheating and provides better patient comfort.



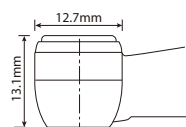
Compatibility

Compatible with a great variety of coupling systems and adapts well to every existing treatment unit.

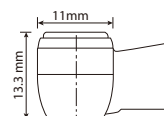


Technical Data

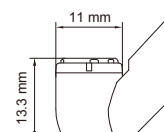
	Standard Head	Mini Head	Surgical Head
Colour temperature(K)	5,500	5,500	5,500
Brightness(LUX)	25,500	25,500	25,500
Head Size(Width x Height)	12.7mm x 13.1mm	11 x 13.3mm	11 x 13.3mm
Drive Air Pressure(Mpa)	0.25-0.3	0.25-0.3	0.25-0.3
Power(WATT)	25	22	22
Speed(RPM)	280,000	300,000	300,000
Rotary Instruments	FG burs according to EN ISO 1797-1:2011	FG burs according to EN ISO 1797-1:2011	FG burs according to EN ISO 1797-1:2011
Ø / max. length(MM)	1.6 / 25	1.6 / 25	1.6 / 25
Water Spray	Triple Ports	Triple Ports	Triple Ports



Standard Head



Mini Head



Surgical Head

MIDWEST 4-Hole Connection



Precision **CC** Bearing

Model: **RD-3SG M4**

Order Code: **6203011040723100**

Model: **RD-3MG M4**

Order Code: **6203011040823100**

BORDEN 2-Hole Connection



Precision **CC** Bearing

Model: **RD-3SG B2**

Order Code: **6203011040713100**

Model: **RD-3MG B2**

Order Code: **6203011040813100**

MIDWEST 4-Hole Connection



Precision **CC** Bearing

Model: **RD-345G M4**

Order Code: **6203011470220100**

Spare Part

Standard Head

Mini Head

Surgical Head

	CC Bearing	Order Code: 6303011050111100 Model: RD-SG-CC	Order Code: 6303011050121100 Model: RD-MG-CC	Order Code: 3201001070122000 Model: RD-MG-CC
	Back Cap	Order Code: 6303011040210400 Model: SP-RD-HCT	Order Code: 6303011040220400 Model: SP-RD-HCM	Order Code: 6303011450220100 Model: SP-RD-HC45



**Triple Water Spray,
better cooling!**

RD-3 Series



RD-3 With Light Series

Fiber Optic

NSK Mach® Connection



Precision CC Bearing

Model: **RD-3SL NK**

Order Code: **6203011050140100**

Model: **RD-3ML NK**

Order Code: **6203011050240100**

KAVO® Connection



Precision CC Bearing

Model: **RD-3SL KV**

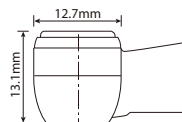
Order Code: **6203011050130100**

Model: **RD-3ML KV**

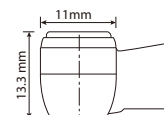
Order Code: **6203011050230100**



Technical Data



Standard Head



Mini Head

Colour temperature(K)	5,500	5,500
Brightness(LUX)	25,500	25,500
Head Size(Width x Height)	12.7mm x 13.1mm	11 x 13.3mm
Drive Air Pressure(Mpa)	0.25-0.3	0.25-0.3
Power(WATT)	25	22
Speed(RPM)	280,000	300,000
Rotary Instruments	FG burs according to EN ISO 1797-1:2011	FG burs according to EN ISO 1797-1:2011
Ø / max. length(MM)	1.6 / 25	1.6 / 25
Water Spray	Triple Ports	Triple Ports

Spare Part

Standard Head

Mini Head

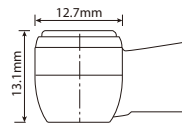
	CC Bearing	Order Code: 6303011050111100 Model: RD-SL-CC	Order Code: 6303011050121100 Model: RD-ML-CC
	Back Cap	Order Code: 6303011040210400 Model: SP-RD-HCT	Order Code: 6303011040220400 Model: SP-RD-HCM

Non-Optic

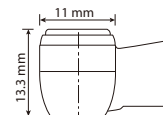
MIDWEST 4-Hole/BORDEN 2-Hole Connection

Precision **CC** BearingModel: **RD-3S M4**Order Code: **6203011060120000**Model: **RD-3M M4**Order Code: **6203011060220000**Model: **RD-3S B2**Order Code: **6203011060110000**Model: **RD-3M B2**Order Code: **6203011060210000**

Technical Data



Standard Head



Mini Head

Head Size(Width x Height)	12.7mm x 13.1mm	11 x 13.3mm
Drive Air Pressure(Mpa)	0.2-0.25	40-45
Power(WATT)	25	22
Speed(RPM)	280,000	300,000
Rotary Instruments	FG burs according to EN ISO 1797-1:2011	FG burs according to EN ISO 1797-1:2011
Ø / max. length(MM)	1.6 / 25	1.6 / 25
Water Spray	Triple Ports	Triple Ports

Spare Part

Standard Head

Mini Head

	CC Bearing	Order Code: 6303011070111100 Model: RD-S-CC	Order Code: 6303011070121100 Model: RD-M-CC
	Back Cap	Order Code: 6303011040210400 Model: SP-RD-HCT	Order Code: 6303011040220400 Model: SP-RD-HCM

RD-1 Series

Non-Optic Push Button

MIDWEST 4-Hole/BORDEN 2-Hole Connection



Precision CC Bearing

Model: **RD-1S M4**
Order Code: **6203011070120100**

Model: **RD-1M M4**
Order Code: **6203011070220100**

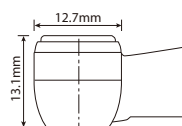


Model: **RD-1S B2**
Order Code: **6203011070110100**

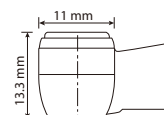
Model: **RD-1M B2**
Order Code: **6203011070210100**



Technical Data



Standard Head



Mini Head

Head Size(Width x Height)	12.7mm x 13.1mm	11 x 13.3mm
Drive Air Pressure(Mpa)	0.2-0.25	40-45
Power(WATT)	25	22
Speed(RPM)	280,000	300,000
Rotary Instruments	FG burs according to EN ISO 1797-1:2011	FG burs according to EN ISO 1797-1:2011
Ø / max. length(MM)	1.6 / 25	1.6 / 25
Water Spray	Single Port	Single Port

Spare Part

Standard Head

Mini Head

	CC Bearing	Order Code: 6303011070111100 Model: RD-S-CC	Order Code: 6303011070121100 Model: RD-M-CC
	Back Cap	Order Code: 6303011040210400 Model: SP-RD-HCT	Order Code: 6303011040220400 Model: SP-RD-HCM

Non-Optic Wrench Type

MIDWEST 4-Hole/BORDEN 2-Hole Connection



Precision **CC** Bearing

Model: **RD-SW M4**
Order Code: **6203011070120000**

Model: **RD-MW M4**
Order Code: **6203011070220000**

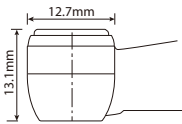


Model: **RD-SW B2**
Order Code: **6203011070110000**

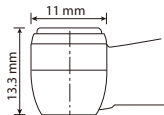
Model: **RD-MW B2**
Order Code: **6203011070210000**



Technical Data



Standard Head



Mini Head

Head Size(Width x Height)
Drive Air Pressure(Mpa)
Power(WATT)
Speed(RPM)
Rotary Instruments
Ø / max. length(MM)
Water Spray

12.7mm x 13.1mm
0.2-0.25
25
280,000
FG burs according to
EN ISO 1797-1:2011
1.6 / 25
Single Port

11 x 13.3mm
40-45
22
300,000
FG burs according to
EN ISO 1797-1:2011
1.6 / 25
Single Port

Spare Part

Standard Head

Mini Head

	CC Bearing	Order Code: 6303011070111000 Model: RD-SW-CC	Order Code: 6303011070121000 Model: RD-MW-CC
	Back Cap	Order Code: 6303011070210400 Model: SP-RD-HCT-1	Order Code: 6303011070220400 Model: SP-RD-HCM-1

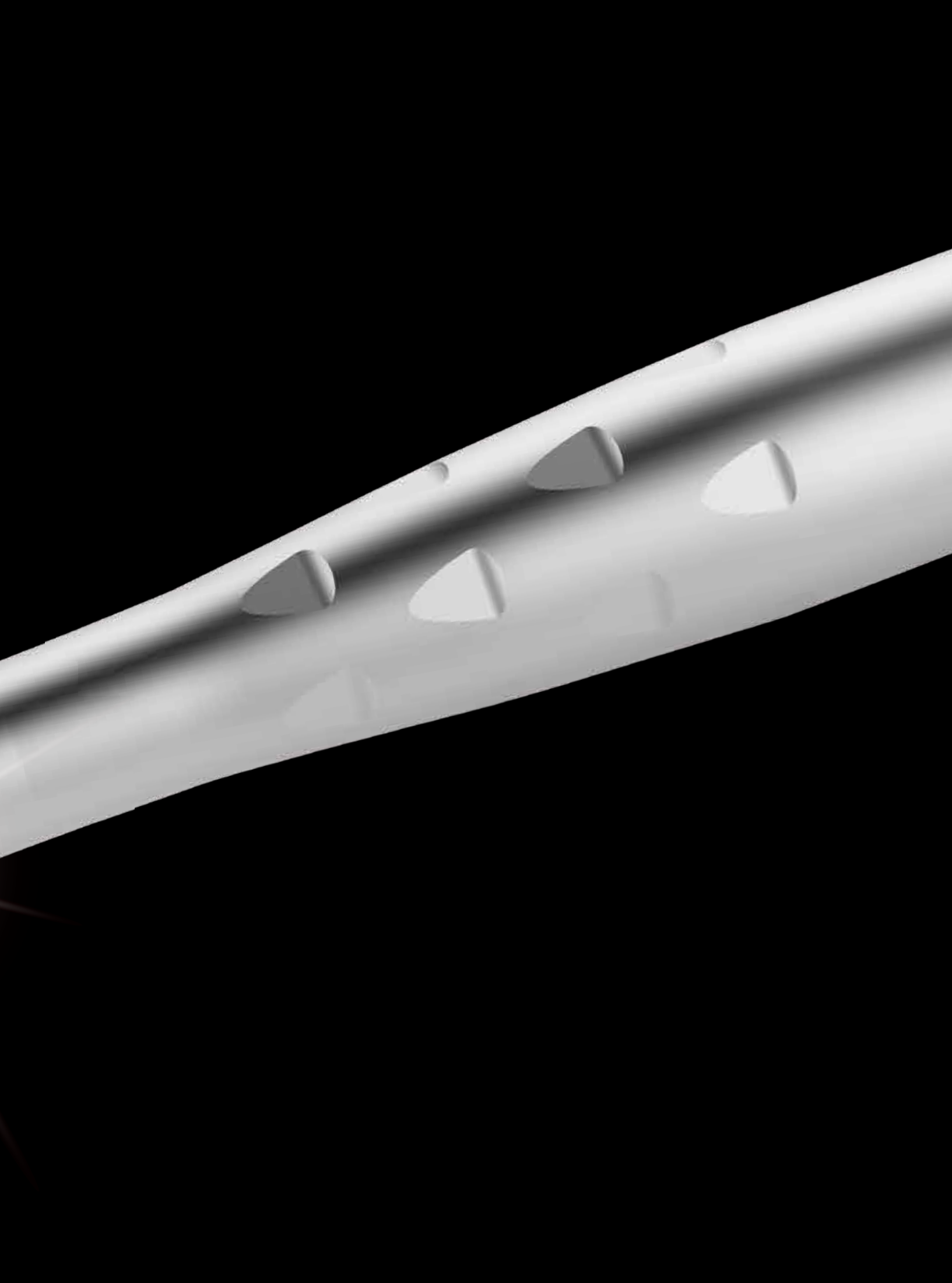


RD-3 45° With Light Series

It provides excellent accessibility, and visibility to make stress-free treatment a reality.

45° head handpieces features 22W of cutting power for faster preparation and rear exhaust to help increase patient safety. With its unique angled head, enhanced access is simple. Experience for yourself, the difference between ordinary and extraordinary.





RD-3 45° With Light Series

Fiber Optic

NSK Mach® Connection



Precision CC Bearing

Model: **RD-345L NK**

Order Code: **6203011460240100**

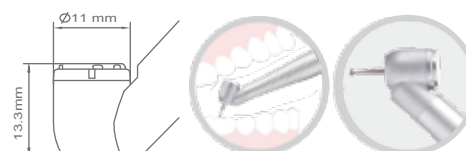
KAVO® Connection



Precision CC Bearing

Model: **RD-345L KV**

Order Code: **6203011460230100**



Technical Data

Optic

Colour temperature(K)	5,500
Brightness(LUX)	5900
Head Size(Width x Height)	11 x 13.3mm
Drive Air Pressure(Mpa)	0.25-0.3
Power(WATT)	22
Speed(RPM)	300,000
Rotary Instruments	FG burs according to EN ISO 1797-1:2011
Ø / max. length(MM)	1.6 / 25
Water Spray	Triple Ports

Spare Part

Surgical Head

	CC Bearing	Order Code: 3201001070122000 Model: RD-ML-CC
	Back Cap	Order Code: 6303011450220100 Model: SP-RD-HC45

Non-Optic

MIDWEST 4-Hole/BORDEN 2-Hole Connection



Precision **CC** Bearing

Model: **RD-345 M4**
Order Code: **6203011450220100**



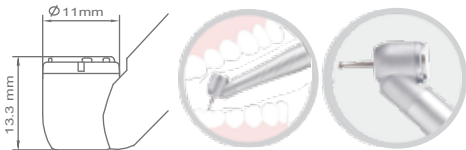
Model: **RD-345 B2**
Order Code: **6203011450210100**



Technical Data

Colour temperature(K)	N/A
Brightness(LUX)	N/A
Head Size(Width x Height)	11mm x 13.3mm
Drive Air Pressure(Mpa)	0.2-0.25
Power(WATT)	22
Speed(RPM)	300,000
Rotary Instruments	FG burs according to EN ISO 1797-1:2011
Ø / max. length(MM)	1.6 / 25
Water Spray	Triple Ports

Non-Optic



Spare Part

Surgical Head

	CC Bearing	Order Code: 3201001070003000 Model: RD-M-CC
	Back Cap	Order Code: 6303011450220100 Model: SP-RD-HC45

Coupler



KAVO® Coupler



6-Hole

Model: **RD-KQD LED**

Order Code: **6203010020610100**

4-Hole

Model: **RD-KQD M4**

Order Code: **6203010020610200**



NSK Mach® Coupler



6-Hole

Model: **RD-NQD LED**

Order Code: **6203010020310100**

Handpiece Accessory

	Order Code: 6403012010004500 Model: SP-RD S10 (For 2 Hole)		Order Code: 6403012010002800 Model: SP-RD S9 (For 4 Hole)		Order Code: 6403011040020300 Model: SP-RD S11 (For 6 Hole)
	Order Code: 6303011040905100 Model: SP-OR 01 (For NSK Handpiece)		Order Code: 6403010020000200 Model: SP-LB 01		Order Code: 6403011040050200 Model: SP-RD S21
	Order Code: 6303010020309100 Model: SP-RD 04 (For KAVO Couple)		Order Code: 6303011040007900 Model: SP-RD S6 (For NSK Mach Connection)		Order Code: 6303011040008000 Model: SP-RD S3 (For KAVO Connection)
	Order Code: 6403011040005500 Model: SP-RD S1 (For M4/B2/Spindle)				



Technical Data

Maximum speed	5,000 rpm – 20,000 rpm
Air Pressure Range	0.2-0.3 MPa
Exhaust Pressures Recommended	0.07 MPa, max. *0.25 MPa
Recommended Air Pressure Range	0.25 MPa
Water Pressure Range	0.05-0.2 MPa
Usage Speed Range	5,000-20,000 rpm
Air Flow (At 0.25MPa)	46 NL/min
Stop Torque (At 0.25MPa)	3.5 N cm



BORDEN 2-Hole Connection



External water spray
E-Type

Model: **PM-LOW01 M B2**
Order Code: **6203012010000500**



MIDWEST 4-Hole Connection



External water spray
E-Type

Model: **PM-LOW01 M M4**
Order Code: **6203012010000600**



Straight Handpiece

No Water Type



Max 40,000rpm
No Water Spray

1:1

Model: **PM-LOW01 S**
Order Code: **6203012030000100**

Contra Angle



Latch Type



No Spray
Latch Type
1:1 CA Bur
Order Code: 6203012020000100
Model: PM-LOW01 C

Push Button



No Spray
Push Button
1:1 CA Bur
Order Code: 6203012020000500
Model: PM-LOW01 PLC

Contra Angle Head



Max 25,000rpm
Latch Type
1:1 CA Bur
Order Code: 6303012020100200
Model: CA001



Max 40,000rpm
Push Button
1:1 CA Bur
Order Code: 6303012020500000
Model: LC001

Spare Part

	Order Code: 6303012020000600 Model: SP-LOW 21		Order Code: 6303012020100700 Model: SP-LOW 31		Order Code: 64030120005400 Model: SP-LOW 11
	Order Code: 6303012020101200 Model: SP-LOW 01 (For CA001 Head)		Order Code: 6303012020200300 Model: SP-LOW 02 (For CB001 Head)		Order Code: 6303012020101600 Model: SP-LOW 03 (For HC001 Head)
	Order Code: 6303012020520000 Model: SP-LOW 04 (For LC001 Head)		Order Code: 6303012050101300 Model: SP-LOW 05 (For LW001 Head)		



Latch Type External Water Lowspeed Kit



4 Hole: [External Water Spray](#)
[Latch Type](#)

Model: PM-LOW01 KT M4

Order Code: **6203010010000100**



2 Hole: [External Water Spray](#)
[Latch Type](#)

Model: PM-LOW01 KT B2

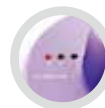
Order Code: **6203010010000200**



Curing Light

Technical Data

Power Supply	Lithium-ion battery (3.7V 2200mAH)
Wavelength Range	450-470 nm
Wavelength Peak	455 nm $\pm$ 10 nm
Light Intensity	2000 mW/cm ² $\pm$ 10%
Total Exposure Time (fully charged battery)	850 times / 10-second cures
Charging Time (depleted battery)	approximately 3 hours
Dimensions	Diameter 23 mm (0.92"), Length 254mm (10")
Weight	160g (0.35 lb) (includes light guide)



PM-LED04



Blue

Order Code: 6203021010100001



Pink

Order Code: 6203021010100003



Purple

Order Code: 6203021010100002



Silver

Order Code: 6203021010100000

PM-LED04 BT



Blue

Order Code: 6203021010100006



Pink

Order Code: 6203021010100008



Purple

Order Code: 6203021010100007

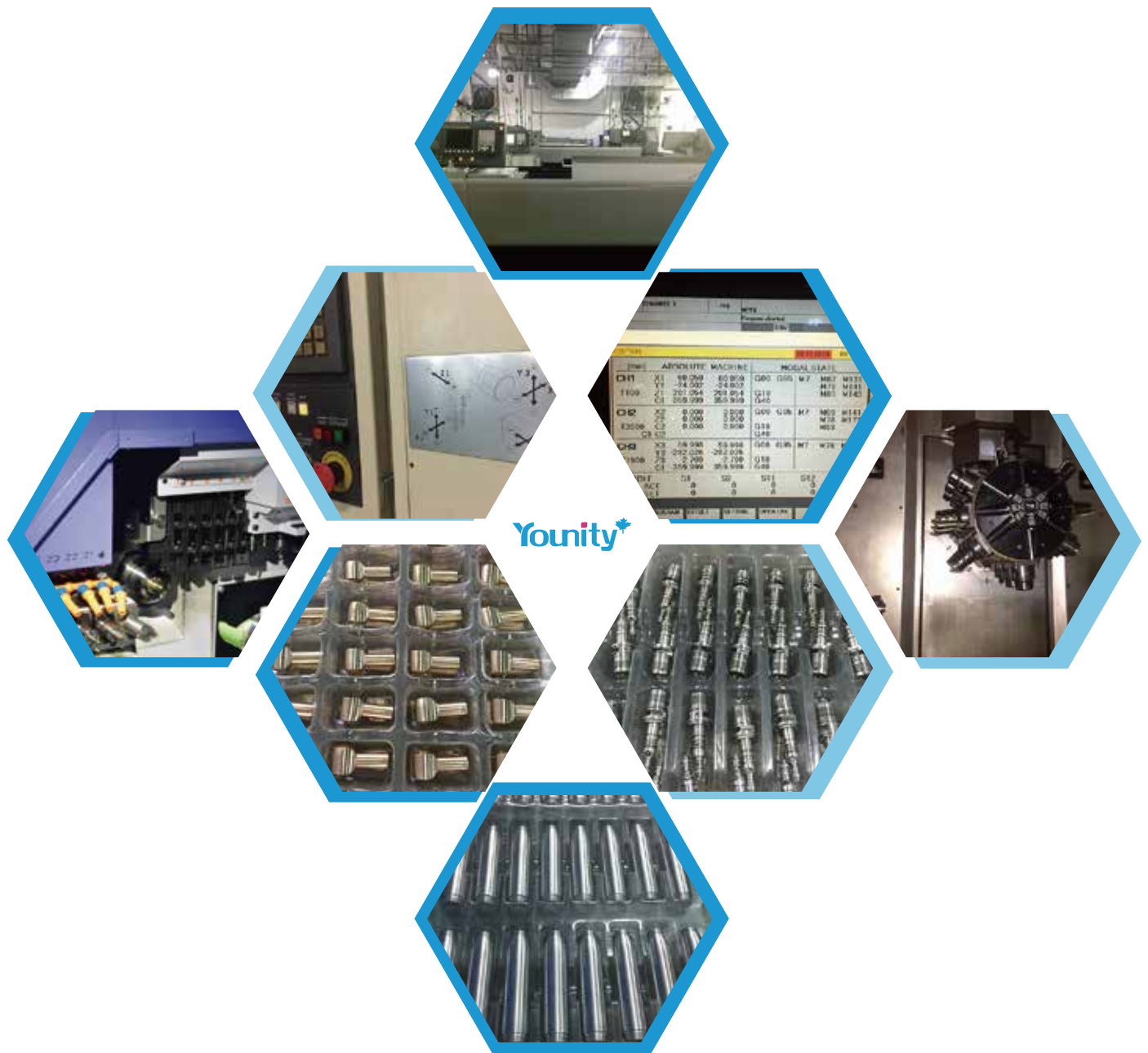


Silver

Order Code: 6203021010100005

Spare Part

	Order Code: 6403021010180100 Model: SP-CL 01		Order Code: 6403021010900400 Model: SP-CL 02		Order Code: 6403021010005800 Model: SP-CL 03
	Order Code: 6403021010420100 Model: SP-CL 04(B)		Order Code: 6403021010420200 Model: SP-CL 04(P)		Order Code: 6403021010420300 Model: SP-CL 04(P)
	Order Code: 6403021010420400 Model: SP-CL 04(S)				



Younity 
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 DURABLE!
 2018/01



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