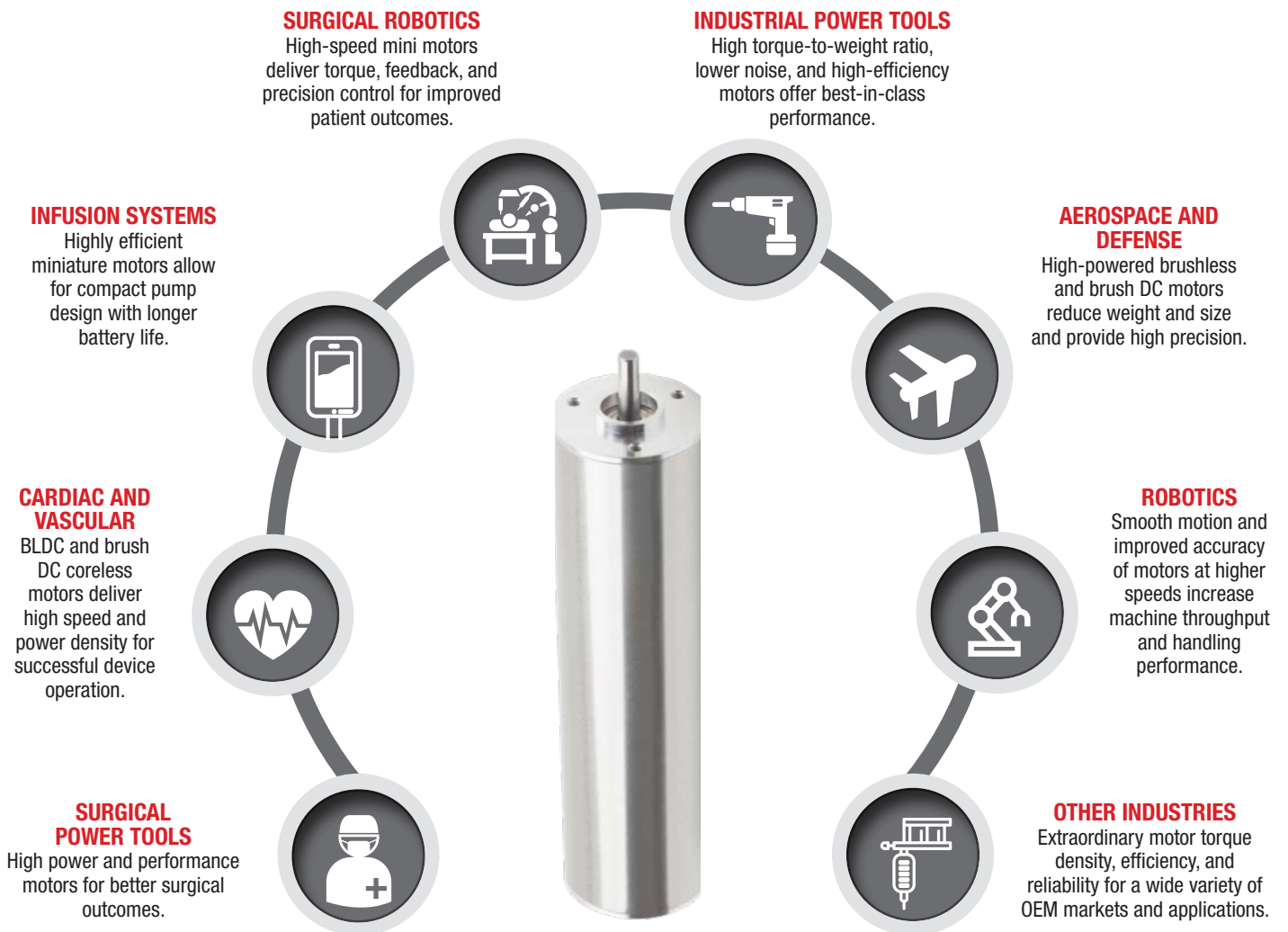


Miniature Motion Solutions for Performance-Critical Applications



Innovative motion technologies and **custom engineering** services that ensure a perfect fit for your individual application.



We leverage our miniature motor technologies and **application know-how** to serve a spectrum of motion control applications



Portescap

A REGAL REYNOLD BRAND

Compact, Powerful Motors for Your Application

At Portescap, customization is standard. Choose the **motor technology** that meets your needs for speed, torque, size, efficiency, and acceleration. And rely on our advanced **custom engineering** to get the exact windings, magnet types, commutation technologies, shafts, leads, and other features you need for an **optimized solution**.



Brushless Slotted DC
Frame Size: 12.7 to 50.8 mm*
Speed: up to 100,000 rpm
Torque: up to 6,526.6 mNm
**upon request*



Brush DC Coreless
Frame Size: 8 to 35 mm
Speed: up to 16,000 rpm
Torque: up to 160 mNm



Digital Linear Actuator
Frame Size: 20 to 57 mm
Speed: up to 500 full step/s
Force: up to 125 N



Brushless Flat DC
Frame Size: 20 to 90 mm
Speed: up to 30,000 rpm
Torque: up to 1Nm



Stepper Disc Magnet
Frame Size: 10* to 74 mm
Speed: up to 10,000 rpm
Torque: up to 325 mNm
**upon request*



Gearheads
Frame Size: 8* to 40 mm
Speed: up to 10,000 rpm
Torque: up to 10 Nm
**upon request*



Brushless Slotless DC
Frame Size: 16 to 35 mm
Speed: up to 70,000 rpm
Torque: up to 225 mNm



Stepper Can Stack
Frame Size: 15 to 60 mm
Speed: up to 1,000 rpm
Torque: up to 300 mNm



Encoders
Frame Size: 8* to 30 mm
Technology: Magnetic, Optical
Line Count: 1 to 1024
**upon request*

Choose the Right Technology for Your Application

	BLDC Slotted	BLDC Flat	BLDC Slotless	Brush DC	Disc Magnet	Can Stack	Digital Linear Actuator
Efficiency/battery life	++	+++	+++	++++	+	+	+
Motor lifetime	++++	++++	++++	++	++++	+++	++
Autoclavability	++++			+			
Ability to withstand harsh environments	++++	+++	+++	++	++	+	+
High power/weight ratio	++++	++++	++++	+++	+++	+	+
High motor acceleration	++	++	++	+++	++++		
Open loop positioning	+	+	+		++++	++	+++
Simple control	+	+	+	++++	++	++	++
Low noise	+++	+++	++++	+++	++	++	+
Ease of achieving linear motion							++++
Max rated continuous torque	++++	++++	++++	+++	++++	+	
Max speed	++++	+++	++++	+++	++	+	+

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