



# Industrial automation solutions

Key information



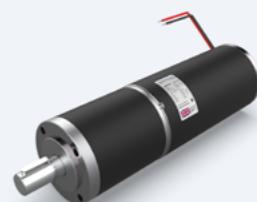
## Floorcare & cleaning equipment

Parvalux designs and builds AC and DC motors for many household-name cleaning equipment manufacturers. Our vacuum cleaner motors, carpet extractor vacuum motors and floor polisher motors can be specified in standard or custom formats and we can even design unique geared motors to take your product from the drawing board to production.



## Mixing equipment

Commercial mixers are an essential process tool in many industries, from food production, pharmaceuticals and cosmetics to chemicals and lube oils. They are used for mixing, emulsifying, homogenising, dissolving and disintegrating solids, powders, gels and liquids and require robust, reliable drive systems.



PM90-GB12		
1 Voltage	V	12 - 48
2 Output speed	rpm	50 - 400
3 Power	W	100 - 600
4 Continuous torque	Nm	7.0 - 26.0
5 Intermittent torque	Nm	14.0 - 40.0

PBL42-GB58		
1 Voltage	V	12 - 48
2 Output speed	rpm	20 - 250
3 Power	W	52 - 120
4 Continuous torque	Nm	0.3 - 2.0
5 Intermittent torque	Nm	1.0 - 3.5

SD12		
1 Voltage	V	12 - 440
2 Output speed	rpm	500 - 6000
3 Power	W	60 - 265
4 Continuous torque	Nm	0.2 - 1.2
5 Intermittent torque	Nm	0.6 - 1.5

BRx63-PGS62		
1 Voltage	V	12 - 48
2 Output speed	rpm	20 - 1000
3 Power	W	85
4 Continuous torque	Nm	0.7 - 26.7
5 Intermittent torque	Nm	1.2 - 44.6



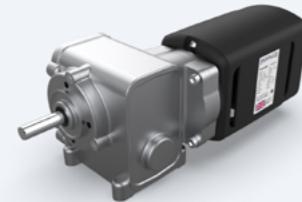
## High voltage switchgear

When it comes to switching high voltage and high current electrical equipment, it is essential that the motors driving the breakers can be trusted to function every time. With more than 70 years of expertise, Parvalux understands high voltage switchgear motors (HV motors) and we deliver high performance and reliability, every time.



## Oil & gas industry

High quality and absolute reliability are essential characteristics for any equipment operating in the demanding oil and gas sector and our motors are specified regularly thanks to our reputation for high reliability and durability. Parvalux designs and manufactures geared motor drive systems for pumps, valve actuators and switchgear.



SD1-MIW		
1 Voltage	V	12 - 48
2 Output speed	rpm	1.5 - 176
3 Power	W	10 - 38
4 Continuous torque	Nm	0.5 - 28.0
5 Intermittent torque	Nm	4.0 - 44.0

PM8-GB36		
1 Voltage	V	12 - 48
2 Output speed	rpm	10 - 220
3 Power	W	20 - 95
4 Continuous torque	Nm	0.5 - 28.0
5 Intermittent torque	Nm	4.0 - 44.0

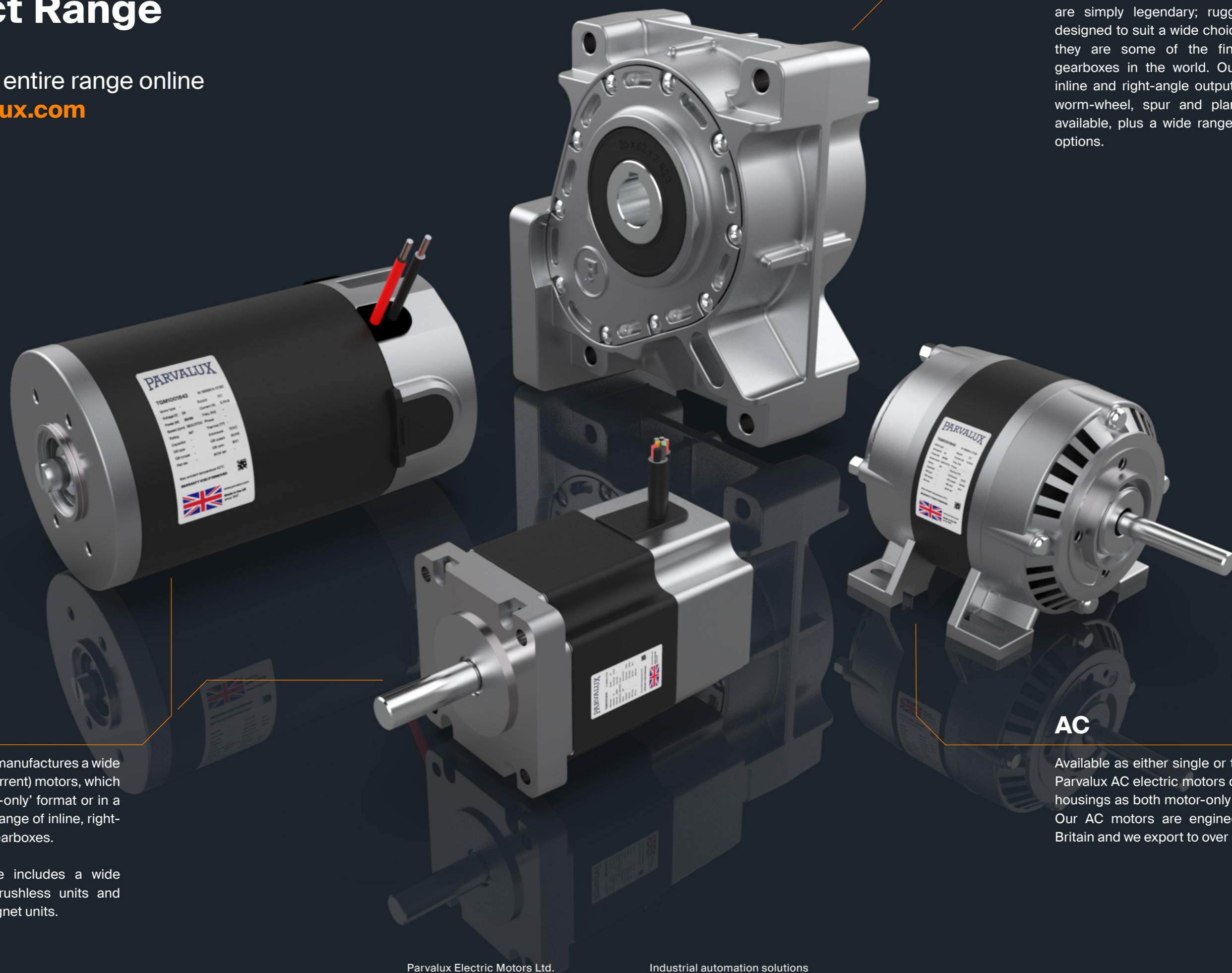
PBL86-PGS90		
1 Voltage	V	12 - 48
2 Output speed	rpm	8 - 211
3 Power	W	586
4 Continuous torque	Nm	30.0 - 150.0
5 Intermittent torque	Nm	38.0 - 225.0

SD8-LIW		
1 Voltage	V	110 - 440
2 Output speed	rpm	10 - 1000
3 Power	W	40
4 Continuous torque	Nm	30.0 - 150.0
5 Intermittent torque	Nm	38.0 - 225.0

# Parvalux Product Range

Discover the entire range online

[www.parvalux.com](http://www.parvalux.com)



## DC

Parvalux designs and manufactures a wide range of DC (Direct Current) motors, which are available in 'motor-only' format or in a combination with our range of inline, right-angle and planetary gearboxes.

Our DC motor range includes a wide selection of BLDC brushless units and PMDC permanent magnet units.

## Gearboxes

Parvalux British-made electric motor gearboxes are simply legendary; rugged, reliable and designed to suit a wide choice of applications, they are some of the finest small motor gearboxes in the world. Our range includes inline and right-angle output, with options for worm-wheel, spur and planetary gearboxes available, plus a wide range of customization options.

## AC

Available as either single or three phase units, Parvalux AC electric motors come in aluminum housings as both motor-only and geared units. Our AC motors are engineered and built in Britain and we export to over 80 countries.



## Printing equipment

Parvalux supplies the printing industry in its many and varied forms. We produce custom geared motors for manufacturers of equipment used to produce repeatable samples of paints and surface coatings (such as paint colour charts), systems that print directly onto food products and fruit labelling equipment.



BRx42-S		
1 Voltage	V	12 - 48
2 Output speed	rpm	10 - 1000
3 Power	W	40
4 Continuous torque	Nm	0.2 - 1.5
5 Intermittent torque	Nm	0.6 - 2.3

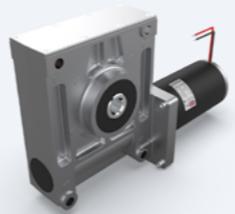


PM10-S		
1 Voltage	V	12 - 48
2 Output speed	rpm	21 - 970
3 Power	W	23 - 100
4 Continuous torque	Nm	0.2 - 2.5
5 Intermittent torque	Nm	0.6 - 4.5



## Solar panel & turbine tracking

We've been designing high voltage wind turbine position motors and solar panel tracking motors for many years. Our solar panel motors provide the precise power that enables the panels to accurately track the sun over the course of a day, helping generate renewable energy and protecting the planet.



BRx63-GB9		
1 Voltage	V	12 - 48
2 Output speed	rpm	21 - 970
3 Power	W	23 - 100
4 Continuous torque	Nm	0.2 - 2.5
5 Intermittent torque	Nm	35.0 - 100.0



PBL60-M		
1 Voltage	V	12 - 48
2 Output speed	rpm	50 - 200
3 Power	W	110
4 Continuous torque	Nm	4.0 - 14.0
5 Intermittent torque	Nm	6.5 - 20.0



## Robotic solutions

Process automation has transformed the manufacturing industry and many tasks are now undertaken by robots, with clear benefits to productivity, operator safety, quality assurance and cost reduction. Whatever your application, you'll require reliable power delivered via Parvalux electric motors.



PM11-GB28		
1 Voltage	V	12 - 48
2 Output speed	rpm	50 - 200
3 Power	W	90
4 Continuous torque	Nm	3.0 - 12.0
5 Intermittent torque	Nm	5.0 - 18.0



PBL86-GB65		
1 Voltage	V	12 - 48
2 Output speed	rpm	33
3 Power	W	753
4 Continuous torque	Nm	120.0
5 Intermittent torque	Nm	200.0



## Vending machines

Whether the product being dispensed is food, drink, PPE or factory consumables, a vending machine needs to operate 24/7 with absolute reliability. Vending machine technology moves apace and remains reliant on strong and durable geared motors. Parvalux is a leading supplier of motors into this exciting sector.



PBL42-S		
1 Voltage	V	12 - 48
2 Output speed	rpm	10 - 1000
3 Power	W	40
4 Continuous torque	Nm	0.2 - 1.5
5 Intermittent torque	Nm	0.6 - 2.3



BRx42-PGS42		
1 Voltage	V	12 - 48
2 Output speed	rpm	2 - 200
3 Power	W	20
4 Continuous torque	Nm	0.7 - 14.0
5 Intermittent torque	Nm	1.1 - 21.0

# Industrial automation solutions

Since the industrial revolution in the 1800s, design engineers have sought ever-more innovative techniques and equipment to help manufacturers produce and distribute more products, more easily and with greater efficiency.

Today, industrial automation leverages digital controls, robotics technologies and the Internet of Things (IoT) in the production process, thus reducing human intervention in decision making. Indeed, it's hard to imagine a modern production line without some form of automated system; automation drives high-volume production and enables consistently high levels of product quality and reliability.

The electric geared motor is an essential building block in any automated industrial process and Parvalux is at the forefront of global geared motor design and manufacture for this exciting industry. Our products provide the reliable drive behind many of the leading industrial automation product brands.

## PARVALUX

a maxon company

A true British manufacturing success story, Parvalux is the UK's largest fractional horsepower electric motor manufacturer and supplier with state-of-the-art manufacturing and service facilities.

We have over 70 years' experience creating the perfect combination of motor and gearbox to match our customers' applications and we offer thousands of standard AC, DC brushed and DC brushless electric motor options. We can easily customize any motor or gearbox to meet your exact requirements. Our design team can help you select, modify or custom build your geared motor solution to ensure you gain a competitive advantage in your market.

In 2018 Parvalux was acquired by Swiss motor manufacturer, maxon. Their brushless and brushed DC motors with ironless windings are among the best in the world; with flat motors with iron cores completing their modular product portfolio.

maxon's modular system includes planetary and spur gearheads, spindle drives, as well as encoders and control electronics.

The relationship between maxon and Parvalux not only broadens our respective product ranges, but also enables collaboration on drive solutions and extends the reach of Parvalux products through the maxon global network.