

# products & services overview 2009



# PARVALUX®

:: geared motors ::

:: legendary reliability ::

:: totally customisable ::



**ERMEC**  
www.ermec.com

ERMEC, S.L. BARCELONA  
C/ Francesc Teixidó, 22  
E-08918 Badalona  
(Spain)



Tel.: (+34) 902 450 160  
Fax: (+34) 902 433 088  
[info@ermec.com](mailto:info@ermec.com)  
[www.ermec.com](http://www.ermec.com)

ERMEC, S.L. MADRID  
C/ Sagasta, 8, 1ª planta  
E-28004 Madrid  
(Spain)

PORTUGAL  
[portugal@ermec.com](mailto:portugal@ermec.com)  
BILBAO  
[bilbao@ermec.com](mailto:bilbao@ermec.com)

The UK's largest specialist designer and manufacturer of AC/DC motors and gearboxes, sub 1kW, for industrial and commercial application

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



Founded in 1947, as one of the UK's first manufacturers of small electric geared motors, Parvalux has built a reputation for offering one of the worlds most extensive and reliable ranges of customisable DC and AC geared motor units for industrial and commercial application.

Today Parvalux offers over 5000 products, and remains a privately run business with distributors around the world.

:: geared motors ::  
 :: legendary reliability ::  
 :: totally customisable ::

Our UK production facility underpins our commitment to supply a product that is engineered to last. Every unit comes with minimum 2 year warranty, undergoing thorough production-line testing before it is dispatched.

**Approvals:**

- ISO 9001:2000 quality management system certificate number FM 548688
- Calibration system complies to EN30012; internal audit system to EN30011
- Electromagnetic Compatibility (EMC) directive 2004/108/EC
- Low voltage directive 2006/95/EC; motors meet EN60204-1; and are CE marked
- CSA or UL approved motors and parts are available on request
- All products are compliant with RoHS directive 2002/95/EC
- Medicines and Healthcare products Regulatory Agency (MHRA) line approval

## EMD DRIVE SYSTEMS

In 2008 Parvalux acquired OEM solutions specialist EMD Drive Systems.



RE90-146GB12 'rare-earth' unit for floor cleaning application



Bespoke designed high-load unit for stair lift application

### Designed for application OEM solutions



PM63-50GB9 robust unit for wheelchair application



PM50-63GB11 lightweight plastic unit for golf trolley application



American National Accreditation Board and British Standards Institute

## STANDARD PRODUCT RANGE

Unrivalled range of over 5000 standard motor-gearbox configurations

## ERMEC

www.ermec.com

Distribución de componentes eléctricos y electrónicos

Tel.: (+34) 902 450 160  
 Fax: (+34) 902 433 088

[ermec@ermec.com](mailto:ermec@ermec.com)  
[www.ermec.com](http://www.ermec.com)

## SERVICES & CAPABILITIES

New product development, customisation, design and engineering.

<p><b>:: gearboxes ::</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>worm 5 sizes   85 ratios 0.2 - 50 Nm 20 - 970 rpm</p> </div> <div style="text-align: center;">  <p>double worm 2 sizes   31 ratios 0.2 - 12 Nm 0.3 - 150 rpm</p> </div> </div>		<p><b>:: gearbox options ::</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>output shaft 8 - 25 mm single, double, hollow keyways, flats etc.</p> </div> <div style="text-align: center;">  <p>worm base for higher load applications</p> </div> </div>	
<p><b>:: motors ::</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>DC brushless   11 sizes 10 - 440 Watts 0 - 4000 rpm up to 48 Volts</p> </div> <div style="text-align: center;">  <p>DC brushed   27 sizes 7.5 - 900 Watts 1500 - 8000 rpm 12V to mains voltage</p> </div> </div>		<p><b>:: motor options ::</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>controllers 6 types 16 - 58 Volts integrated or separate</p> </div> <div style="text-align: center;">  <p>brakes 3 products 0.4 - 1.0 Nm 8.5 - 14 Watts</p> </div> </div>	
<p><b>:: gearboxes ::</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>in-line double worm 3 sizes   49 ratios 0.6 - 45 Nm 0.3 - 235 rpm</p> </div> <div style="text-align: center;">  <p>EMD worm 4 sizes   18 ratios 1.4 - 56 Nm 20 - 560 rpm</p> </div> </div>		<p><b>:: motor options ::</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>sensors 2 types encoder tachogenerator</p> </div> <div style="text-align: center;">  <p>terminal boxes rear spindles blanking plates</p> </div> </div>	
<p><b>:: gearboxes ::</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>in-line spur 3 sizes   29 ratios 1 - 74 Nm 4 - 667 rpm</p> </div> <div style="text-align: center;">  <p>EMD worm double spur 1 size   1 ratio 49 - 124 Nm 14 - 28 rpm</p> </div> </div>		<p><b>:: motors ::</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>AC induction   6 sizes 3.7 - 250 Watts 900 - 2800 rpm 1 or 3 phase mains voltage</p> </div> <div style="text-align: center;">  <p>AC/DC series   3 sizes 10 - 190 Watts 2000 - 6500 rpm up to mains voltage</p> </div> </div>	
<p><b>:: gearboxes ::</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>worm spur 4 sizes   62 ratios 1.5 - 250 Nm 0.4 - 149 rpm</p> </div> <div style="text-align: center;">  <p>planetary 4 sizes   74 ratios 0.1 - 30 Nm 1 - 1000 rpm</p> </div> </div>		<p><b>:: motor options ::</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>speed reducer 34 ratios</p> </div> </div>	

**PRODUCT MODIFICATION**

Take any one of our standard products and specify it to fit your application. Choose from a range of standard options or specify your own alterations.

Customers are invited to consider specifying any number of modifications to realise their preferred solution. Whether this means modifying a gearbox output shaft or winding a fully-customised, application-specified unit: our engineers can deliver the required solution often at no extra charge.

**NEW PRODUCT DESIGN**

Realise your preferred application solution with a bespoke product that meets your precise mechanical, electrical and environmental requirements.

Why design your application around our products, when we can design our products around your application? For over sixty years we have been a systems partner in the development of thousands of new products and applications, often providing our services at no extra charge.



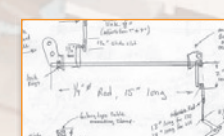
component design



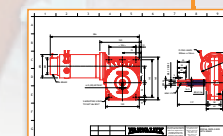
custom wiring



sub-assembly design



design interpretation



technical drawings



MathCAD™



Solidworks™ 3D



Autodesk™ Inventor



Finite Element Analysis



performance reports



EMC testing



FMEA reports



rapid prototyping



application testing

FACTS: The longest recorded lifetime of a Parvalux motor-gearbox is 36 years | our UK facility produces one finished product every 22 seconds | we have an installed base of approximately 15 million units around the world | we make over 5000 standard products | we design, prototype and manufacture bespoke motor-gearbox solutions for OEM customers

:: geared motors :: legendary reliability :: totally customisable :: geared motors :: legendary reliability :: totally customisable :: geared motors :: legendary reliability :: totally customisable ::





**:: Geared Motors ::**

We offer one of the world's most extensive ranges of motors and gearboxes, with literally millions of combinations. From design through to production we have a truly unique delivery capacity: one unit through to thousands. New products are constantly in development to ensure that we continue to offer such choice and flexibility to our customers.

**:: Legendary Reliability ::**

Parvalux have been engineering reliability into every product for over sixty years. From the very first motor assembled to present day production, all our products, even through re-design and technical innovations, remain interchangeable with their counterparts, thus ensuring a lifetime of continuity as well as reliability.

**:: Totally Customisable ::**

Our products enable our customers to make the machine they want, not dictate how they do it. We have built an enviable reputation in providing bespoke designed geared motors. Our responsiveness in providing customised products in small or vast quantities at globally competitive prices is, we believe, unmatched.

Parvalux is a member of the REMA, the UK's professional association of electric motor manufacturers



**Worldwide approved distributor network**

- Australia**  
Eastland Electric Motors  
[www.au.parvalux.com](http://www.au.parvalux.com)
- Italy**  
Log-Italia  
[www.log-italia.it](http://www.log-italia.it)
- Austria**  
Kwafil & Co  
[www.kwafil.com](http://www.kwafil.com)
- Hungary**  
Q-Tech Engineering  
[www.q-tech.hu](http://www.q-tech.hu)
- China**  
Euro-Me  
[www.euro-me.com](http://www.euro-me.com)
- Spain**  
Ermecc  
[www.ermec.com](http://www.ermec.com)
- Colombia**  
Inpraindsa  
[www.inpraindsa.com](http://www.inpraindsa.com)
- Sweden**  
SDT  
[www.sdt.se](http://www.sdt.se)
- Denmark**  
Parlock  
[www.parlock.dk](http://www.parlock.dk)
- Switzerland**  
Electro-Müller  
[www.electro-mueller.ch](http://www.electro-mueller.ch)
- Ireland**  
Rotate-Brammer  
[www.rotate.ie](http://www.rotate.ie)
- United Kingdom**  
Brammer  
[www.brammer.biz](http://www.brammer.biz)
- India**  
Melkev Machinery  
[www.melkev.com](http://www.melkev.com)
- United Kingdom**  
RS Components  
[www.rswww.com](http://www.rswww.com)

**Parvalux International HQ**  
  
490 Wallisdown Road  
Bournemouth BH11 8PU  
United Kingdom  
T :: +44 120 251 2575  
F :: +44 120 253 0885  
E :: [sales@parvalux.com](mailto:sales@parvalux.com)

**Parvalux Service Centre**  
  
Unit 4, 26 Avenue Road  
Birmingham B6 4DY  
United Kingdom  
T :: +44 121 552 6581  
F :: +44 121 523 0449  
E :: [sales@parvalux.com](mailto:sales@parvalux.com)

**Parvalux New York**  
  
18 Blooms Corners Road  
Warwick 10990  
United States  
T :: +1 845 258 7482  
F :: +1 845 986 2130  
E :: [sales@parvalux.com](mailto:sales@parvalux.com)

**Parvalux Frankfurt**  
  
Waldhof  
65510 Idstein  
Germany  
T :: +49 643 490 6624  
F :: +49 643 490 6625  
E :: [info@parvalux.de](mailto:info@parvalux.de)

**Parvalux Paris**  
  
4 rue Guynemer  
Guyancourt 78280  
France  
T :: +33 130 437 273  
F :: +33 130 441 063  
E :: [parvalux@parvalux.fr](mailto:parvalux@parvalux.fr)

**Parvalux Warsaw**  
  
al. Niepodleglosci 186  
00-608 Warszawa  
Poland  
T :: +48 22 629 7348  
F :: +48 22 244 2481  
E :: [parvalux@parvalux.pl](mailto:parvalux@parvalux.pl)

**Parvalux Johannesburg**  
  
132 Leicester Road  
Johannesburg 2094  
South Africa  
T :: +27 11 622 6826  
F :: +27 11 622 6823  
E :: [info@parvalux.co.za](mailto:info@parvalux.co.za)



**ERMEC, S.L. BARCELONA**  
C/ Francesc Teixidó, 22  
E-08918 Badalona  
(Spain)

**Tel.: (+34) 902 450 160**  
**Fax: (+34) 902 433 088**  
[info@ermec.com](mailto:info@ermec.com)  
[www.ermec.com](http://www.ermec.com)

**ERMEC, S.L. MADRID**  
C/ Sagasta, 8, 1ª planta  
E-28004 Madrid  
(Spain)

**PORTUGAL**  
[portugal@ermec.com](mailto:portugal@ermec.com)  
**BILBAO**  
[bilbao@ermec.com](mailto:bilbao@ermec.com)

