

Your Partner for High Performance Test Rig Products and Services

The ability to implement repeatable quality testing is a fundamental requirement for original equipment manufacturers of the latest generation test rigs. Parker Hannifin understands the real and direct correlation between performing quality testing and the motion control solutions utilised on a wide variety of demanding "test" machines. Armed with this understanding Parker has created a "full service" test rig engineering team.

Through close working partnerships, and over 40 years of experience Parker has gained a deep understanding of applications, and it is this knowledge which is used to develop even more competitive products and solutions for the test rig market globally.

Parker's engineering team will assist you to make your machines:

- Deliver high quality test results consistently
- Operate to shortened test/cycle times
- Consume reduced power from the mains supply
- Easier to maintain and offer end-users years of trouble-free running

Why do test rig OEMs' choose Parker? We offer:

- Cost effective, value engineered solutions to solve challenging problems
- Experienced engineering design resources to achieve solution objectives
- A complete portfolio of electromechanical, hydraulic, pneumatic and cooling solutions
- Fully validated solutions that simulate even the most extreme operational conditions

Parker's complete control system services include:



Application support

- Engineering consultation
- Project management
- Control system design and build



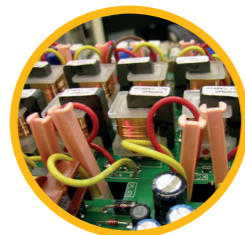
Installation and commissioning

- Electrical installation
- Commissioning and start-up
- Telephone support



Training

- Customer site training
- Parker site training
- On-line training



Spares/Repairs

- Product warranty
- Authorised repair centres
- Parker repair centre

Parker Worldwide

Europe, Middle East, Africa

AE – United Arab Emirates, Dubai
Tel: +971 4 8127100
parker.me@parker.com

AT – Austria, Wiener Neustadt
Tel: +43 (0)2622 23501-0
parker.austria@parker.com

AT – Eastern Europe, Wiener Neustadt
Tel: +43 (0)2622 23501 900
parker.easteurope@parker.com

AZ – Azerbaijan, Baku
Tel: +994 50 2233 458
parker.azerbaijan@parker.com

BE/LU – Belgium, Nivelles
Tel: +32 (0)67 280 900
parker.belgium@parker.com

BG – Bulgaria, Sofia
Tel: +359 2 980 1344
parker.bulgaria@parker.com

BY – Belarus, Minsk
Tel: +48 (0)22 573 24 00
parker.poland@parker.com

CH – Switzerland, Etoy
Tel: +41 (0)21 821 87 00
parker.switzerland@parker.com

CZ – Czech Republic, Klecany
Tel: +420 284 083 111
parker.czechrepublic@parker.com

DE – Germany, Kaarst
Tel: +49 (0)2131 4016 0
parker.germany@parker.com

DK – Denmark, Ballerup
Tel: +45 43 56 04 00
parker.denmark@parker.com

ES – Spain, Madrid
Tel: +34 902 330 001
parker.spain@parker.com

FI – Finland, Vantaa
Tel: +358 (0)20 753 2500
parker.finland@parker.com

FR – France, Contamine s/Rouvres
Tel: +33 (0)4 50 25 80 25
parker.france@parker.com

GR – Greece, Athens
Tel: +30 210 933 6450
parker.greece@parker.com

HU – Hungary, Budaörs
Tel: +36 23 885 470
parker.hungary@parker.com

IE – Ireland, Dublin
Tel: +353 (0)1 466 6370
parker.ireland@parker.com

IT – Italy, Corsico (MI)
Tel: +39 02 45 19 21
parker.italy@parker.com

KZ – Kazakhstan, Almaty
Tel: +7 7273 561 000
parker.easteurope@parker.com

NL – The Netherlands, Oldenzaal
Tel: +31 (0)541 585 000
parker.nl@parker.com

NO – Norway, Asker
Tel: +47 66 75 34 00
parker.norway@parker.com

PL – Poland, Warsaw
Tel: +48 (0)22 573 24 00
parker.poland@parker.com

PT – Portugal, Leca da Palmeira
Tel: +351 22 999 7360
parker.portugal@parker.com

RO – Romania, Bucharest
Tel: +40 21 252 1382
parker.romania@parker.com

RU – Russia, Moscow
Tel: +7 495 645-2156
parker.russia@parker.com

SE – Sweden, Spånga
Tel: +46 (0)8 59 79 50 00
parker.sweden@parker.com

SK – Slovakia, Banská Bystrica
Tel: +421 484 162 252
parker.slovakia@parker.com

SL – Slovenia, Novo Mesto
Tel: +386 7 337 6650
parker.slovenia@parker.com

TR – Turkey, Istanbul
Tel: +90 216 4997081
parker.turkey@parker.com

UA – Ukraine, Kiev
Tel: +48 (0)22 573 24 00
parker.poland@parker.com

UK – United Kingdom, Warwick
Tel: +44 (0)1926 317 878
parker.uk@parker.com

ZA – South Africa, Kempton Park
Tel: +27 (0)11 961 0700
parker.southafrica@parker.com

North America

CA – Canada, Milton, Ontario
Tel: +1 905 693 3000

US – USA, Cleveland
Tel: +1 216 896 3000

Asia Pacific

AU – Australia, Castle Hill
Tel: +61 (0)2-9634 7777

CN – China, Shanghai
Tel: +86 21 2899 5000

HK – Hong Kong
Tel: +852 2428 8008

IN – India, Mumbai
Tel: +91 22 6513 7081-85

JP – Japan, Tokyo
Tel: +81 (0)3 6408 3901

KR – South Korea, Seoul
Tel: +82 2 559 0400

MY – Malaysia, Shah Alam
Tel: +60 3 7849 0800

NZ – New Zealand, Mt Wellington
Tel: +64 9 574 1744

SG – Singapore
Tel: +65 6887 6300

TH – Thailand, Bangkok
Tel: +662 186 7000

TW – Taiwan, Taipei
Tel: +886 2 2298 8987

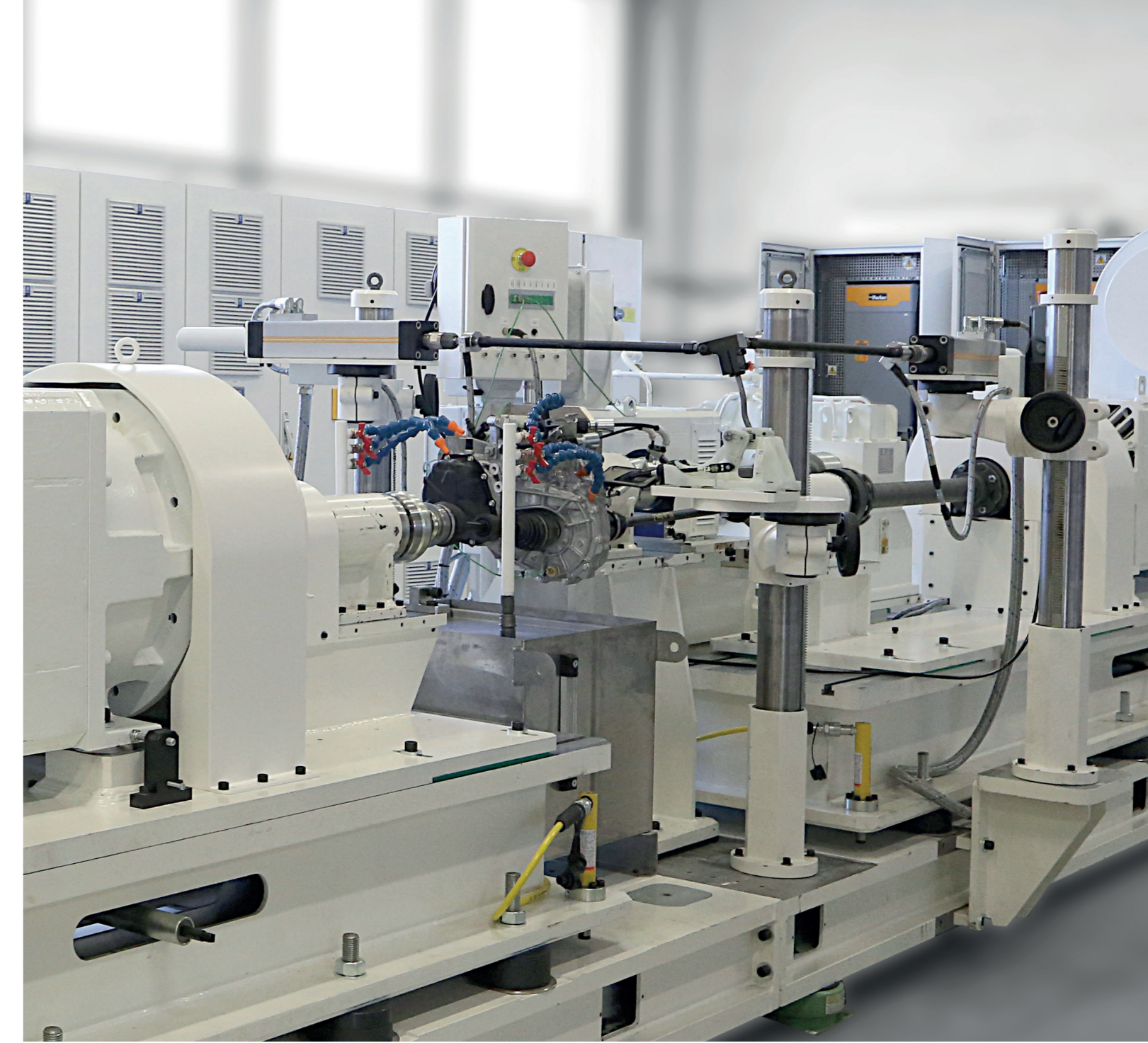
South America

AR – Argentina, Buenos Aires
Tel: +54 3327 44 4129

BR – Brazil, Sao Jose dos Campos
Tel: +55 800 727 5374

CL – Chile, Santiago
Tel: +56 2 623 1216

MX – Mexico, Toluca
Tel: +52 72 2275 4200



High Performance Components for Automotive Test Rigs

Products and Services Overview

We reserve the right to make technical changes. The data correspond to the technical state at the time of printing.
© 2017 Parker Hannifin Corporation. All rights reserved.

192-120504N1 January 2017

EMEA Product Information Centre

Free phone: 00 800 27 27 5374

(from AT, BE, CH, CZ, DE, DK, EE, ES, FI, FR, IE, IL, IS, IT, LU, MT, NL, NO, PL, PT, RU, SE, SK, UK, ZA)

US Product Information Centre

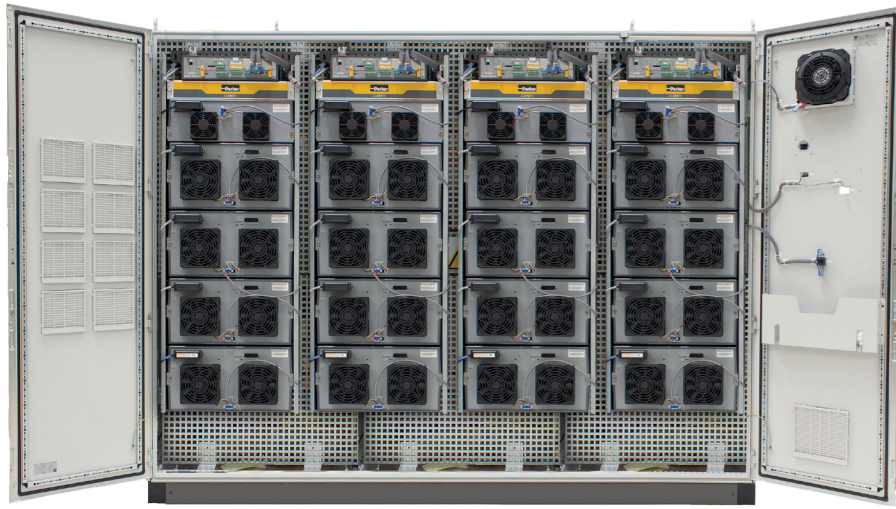
Toll-free number: 1-800-27 27 537

www.parker.com

Your local authorized Parker distributor



ENGINEERING YOUR SUCCESS.



Motor Control Drive Solutions

- Engineered Systems
 - Power up to 2 MW
 - Max. frequency up to 1500 Hz
 - Compact high power drives
 - Efficient energy consumption

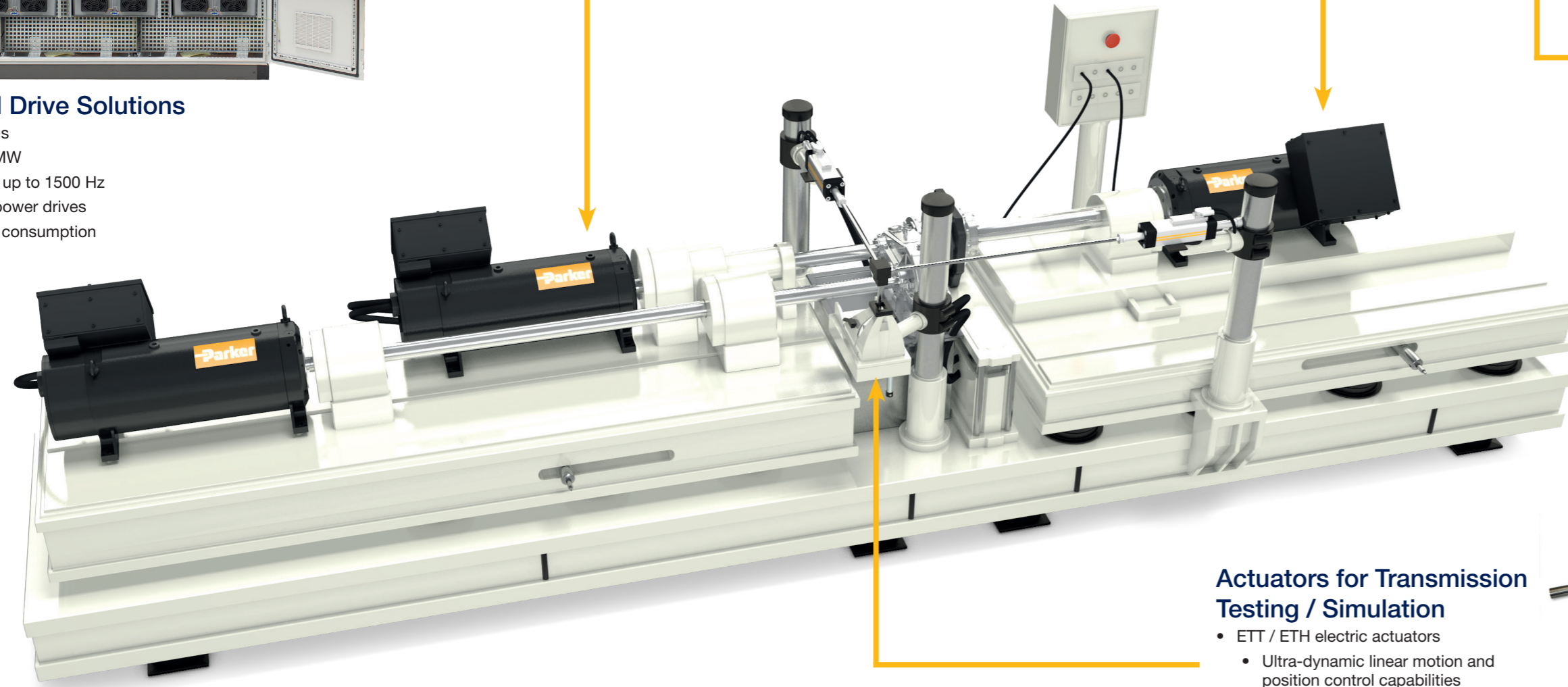
Motors for Durability Testing

- MGV high power density servo motor up to 500 kW
 - Eliminates additional gearboxes
 - Very low inertia
 - More than 45000 rpm
 - Suitable for acyclism testing



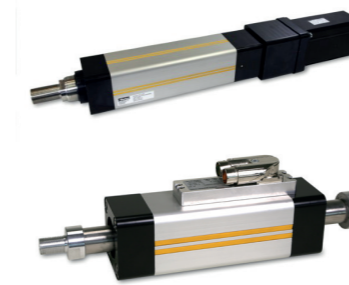
Motors for Load Simulation

- TMW high torque synchronous motors up to 22000 Nm
- MS square frame three-phase induction motors (up to 1 MW)
- GVM high power compact motors



Actuators for Transmission Testing / Simulation

- ETT / ETH electric actuators
 - Ultra-dynamic linear motion and position control capabilities
 - High-thrust forces up to 12 tons
 - Long service life
 - Reduced noise emissions



Hydraulic Power Systems

- Provide maximum functionality with reduced engineering complexity
- Reduce costs through collaborative design
- Minimise end user down time and maintenance related costs



Precision Cooling Systems

- Offer cooling capacities: 1.7 to 230 kW
- Have a compact design for a space saving and ease of installation
- Incorporate condenser filters which reduce contaminants, thereby preventing system downtime



Experience in Test Rig Control

Aerospace and Automotive Experience

From concept, through design, build, installation, in fact for the complete lifecycle of your test system, Parker will work closely with you to create tailored technical and cost effective solutions. Access to the knowledge, experience and expertise of Parker's multi-control technology focused engineers allows you and your team to decide how much or how little support you need. Parkers' highly qualified and experienced team of designers, application and service engineers, will help take the risk out of your project's control solution by ensuring that all key milestones are managed and executed precisely to your requirements.

Parker Hannifin's Test Applications & systems Experience:

ICE Engine and Components Testing

- Qualification process
- Quality assurance and production
- Endurance
- Emissions & calibration
- High-end racing applications

Powertrain Testing

- Gearbox - functional
- Complete powertrain system
- Endurance/durability
- Road load simulation

Chassis Dynamometer

- Complete vehicle/components
- Emissions & fuel consumption
- Environmental

Electric or Hybrid car / Hybrid Dynamometer

- Drive units
- Differentials
- Power conversion
- Battery simulation

Electric or Hybrid car / Hybrid Supercharger System Testing

- Bi-directional AC/DC converter

Electric or Hybrid car / Hybrid Battery Pack Pulse Testing

- Rapid charge/discharge
- Bi-directional AC/DC converter

Complementary Intelligent Motion and Control

As a global leader in motion and control technologies, Parker Hannifin's wide range of motion and control solutions offer OEMs and end users flexibility and choice. Comprising motors, drives, controllers, actuators and more, this portfolio ensures you will find the right combination of products for your needs, however complex your application challenge.

Controllers



HMI Visualisation



High Power Drives



Servo Drives



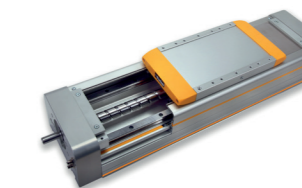
Gearheads



Servo Motors



Rodless Actuator



Rod Actuators

