



Pneumatic Automation Components
Grippers and Industrial Clamps
From Light Weight to Heavy Duty Handling in hostile Environments
Slides, Guide Cylinders, Rod Locks
From Standard Components to Custom made Grippers and Cylinders

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ANGULAR GRIPPERS OFFER OPERATING FLEXIBILITY

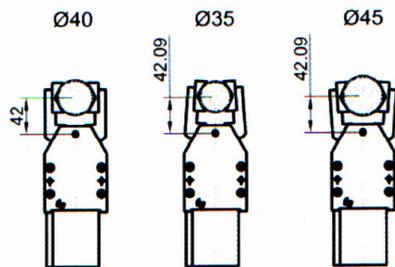
Lantec PAC, PAE and PAN angular grippers have one single turning axis for both fingers.

To grip components of different diameters needs only one set of grippers for holding items like gear box shafts, shock absorber rods and exhaust tubes

The Spanish engineering company Lantec manufactures a small range of high quality grippers which originally were developed to solve specific handling problems with automotive components.

One of their major clients was and still is the *Volkswagen* Group including the Spanish *Seat* cars. Other important European and British customers comprise for example manufacturers of power train components, shock absorbers, drive shafts, car seats, chassis, exhaust systems and similar.

Engine and gear box shafts, shock absorber rods and exhaust tubes are produced in a variety of diameters. Change-over times to handle different product types on automated assembly lines have to be absolutely minimal. Robots, special purpose machines and transfer systems are designed for flexibility so they can cope with such requirements. As down time means lost money, how cost effective are the grippers though?



Lantec angular gripper types PAC, PAE and PAN have just one single turning axis for both fingers. This unique design feature enables to grip round bar material of different diameters with minimal deviation from the centre line and without the need to change the gripper jaws.

The PAC is available in five sizes, with a torque range from 3.6 to 66 Nm and is useful in space constricted areas as the wide opening jaws provide clearance without the need to retract the unit. The PAE super power gripper has an average opening angle of 30°, a closing torque range from 24 to 350 Nm with a closed retention force of a massive 773 Nm for the largest of the four sizes. Well capable to handle drive shafts for earth moving machinery or similar. The PAN is smaller and lighter in weight with respectable torques of 17.5 and 34 Nm respectively.

Solid engineering, compact design and robust build quality enable Lantec grippers to operate reliably even in harsh, high pressure production facilities throughout all areas of manufacturing industries. The working temperature ranges between -30 to +80° C.

For ease of maintenance, the grippers are actuated with standard compact cylinders including magnetic pistons ranging in bore sizes from 25 to 80 mm depending on type.

The cylinders can be rotated along their piston rod axis to place the air connections at the most convenient position.

The gripper bodies are machined in aluminium and the steel mechanism is moving in hard-wearing linear guides providing great physical strength, wear and shock resistance.

Special gripper requirements including hydraulic versions can also be catered for on request.

FS ENGINEERING



lantecLT

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pwb

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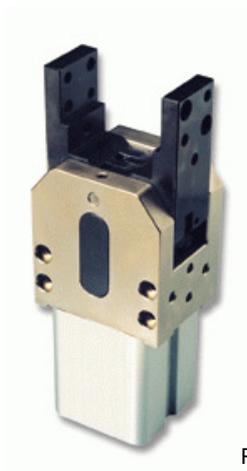
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For more information please contact the sole UK distributor FS Engineering and visit www.lantec-grip.com

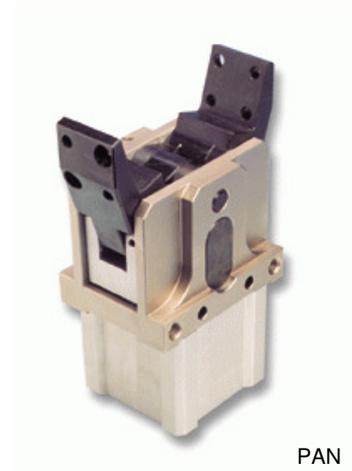
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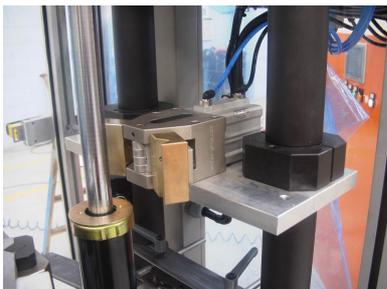
PAC



PAE



PAN



PAC – Shaft Handling



PAE – Robot Application



PAN – Tube manipulation