

The revolutionary QuadraClamp system, featured as standard on the new megamount 701 'XL', is probably the most significant advance to happen to the conventional tyre changer since automatic machines were introduced some 30 years ago.



QuadraClamp

Traditionally, tyre changers have used two clamping cylinders to operate four clamps. A quadrant or 'star' plate under the turntable then drives the two 'slave' clamps simultaneously with the two 'driven' clamps. The new QuadraClamp system uses four clamping cylinders, one per clamp, introducing a whole new range of benefits and producing a level of performance and longevity like never before.

Let's look at the main reasons for Quadraclamp...

Power - have you ever experienced the rim slipping in the jaws under the stress of a tight tyre? Quadraclamp provides double the pressure, and therefore virtually eliminates this problem even when using plastic jaw protectors on the clamps and when handling the toughest run-flat tyre.

Consistency - all four clamps move back and forth with a perfectly smooth and synchronised movement. On a traditional two cylinder turntable the 'slave' clamps become lazy as the quadrant plate distorts with use and the clamping becomes even more ineffective and less concentric.

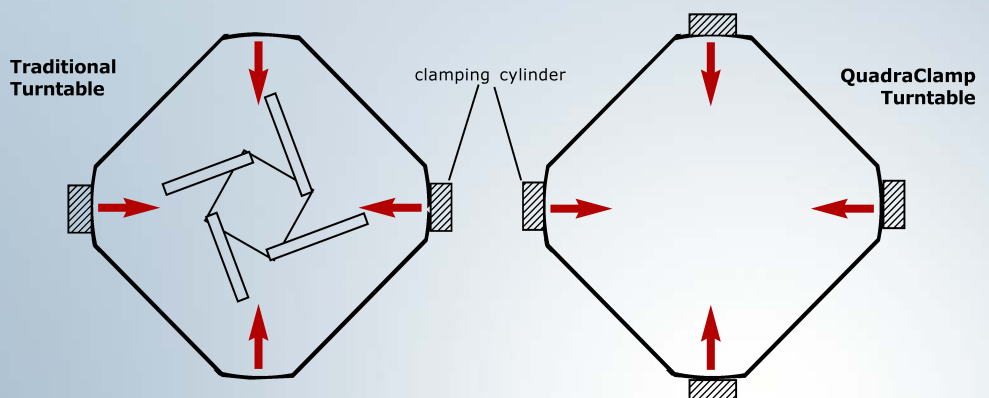
Reliability - the elimination of the traditional quadrant plate means there is virtually nothing mechanically to go wrong, and the four cylinders mean the clamping work is shared, halving the workload.

Longevity - the introduction of the new material Arnite (a type of hardened, non-porous and wear resistant plastic) into the jaw slide mechanism eliminates the traditional metal to metal contact. Incredibly, tests simulating 20 years of hard work in a high volume tyre shop showed no signs of wear or damage.

Capability - the new system provides a straight 10" to 26" clamping capability without the need for extensions or adjustment as used by our competitors. In fact, Quadraclamp allows us to provide an even bigger table upon your request, with 10"-28" or even 10"-30" being should you require it!

Anyone visiting us at our showroom or at exhibitions will have seen the slogan 'Hofmann Megaplan – Built to Last, Built to do a Job, But NEVER Built to a Price'.

Never has this slogan been more appropriate than it is to QuadraClamp, where a marginal increase in price at the point of purchase can literally save £100's of pounds during the lifetime of a machine when compared to our rivals.



The clamps are pulled in by two cylinders operating just two clamps directly, whilst two 'slave' clamps are moved by a 'star' plate

The clamps are pulled in by four cylinders each driving its own clamp and operating on a ratchet system ensuring all 4 clamps have to move simultaneously