

WorkPal Compact Servo



Ever tougher demands on the engineering industry

- Shorter delivery times
- Smaller series sizes
- Increased accuracy
- Pressure on prices
- Global competition



Focusing on the whole

It is clear that measures to reduce machine downtimes are significantly more profitable than chasing fractions of seconds in the actual machining process.

Look at total throughput time instead of individual process time. The solution is a stable and exact reference system. Preset away from the machine and then tool up in the machine in seconds.

Free up hidden capacity

No-one can afford to have machines standing idle. Often it's simply a matter of freeing up hidden, existing production capacity.

Use every hour for production!



WorkPal Compact Servo makes modest demands, brings major benefits!

WorkPal Compact Servo is a simple step into the world of automation. It's an easy-to-use, user-friendly pallet changer for automatic changing of pallets for a table chuck in milling machines, grinding machines, die-sinking EDM machines and wire EDM machines. And what's more, WorkPal Compact Servo only needs minimal floor space.

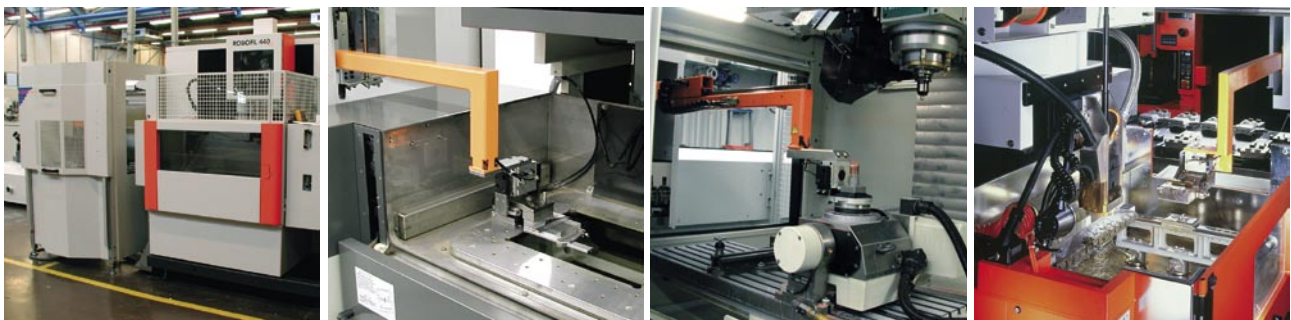
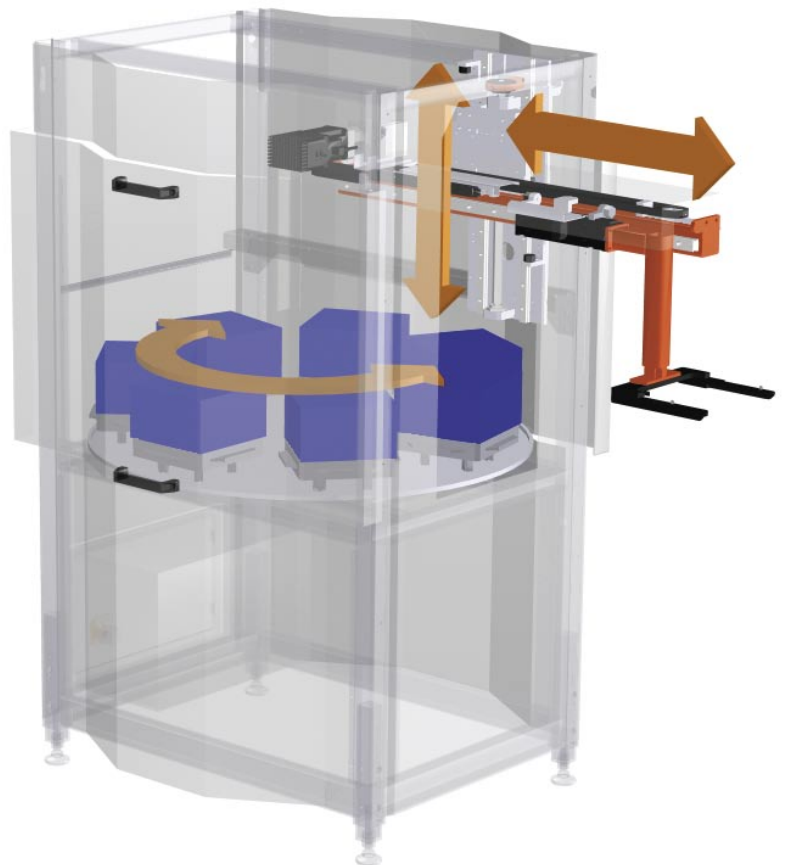
The design, with a sliding door over all of one side, gives maximum access to the magazine, making it easier to load and unload the pallets. The extremely compact unit is simple to install. No costly modifications to the machine are needed.

WorkPal Compact Servo boosts your competitiveness and gives you

- ✓ Increased utilisation of existing machine capacity.
- ✓ Increased productivity.
- ✓ Increased flexibility.
- ✓ Lower production costs.
- ✓ Lower unit cost.
- ✓ Shorter depreciation time.

Technical specification

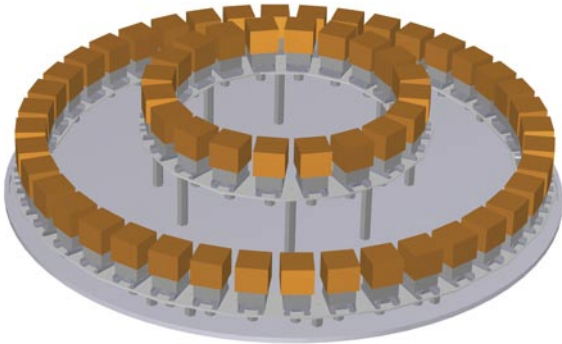
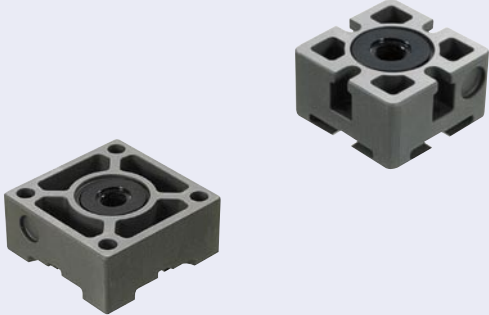
- Power supply required: single-phase 180-240 V AC/10 A at 230 V
- Air pressure required: 6 ± 1 bar.
- Floor space required: $< 1200 \times 1200$ mm
- Max stroke, X-axis, 1400 mm (may be limited by the pallet system)
- Maximum total weight in magazine: 300 kg
- Weight without equipment: 500 kg



Milling, grinding or EDMing

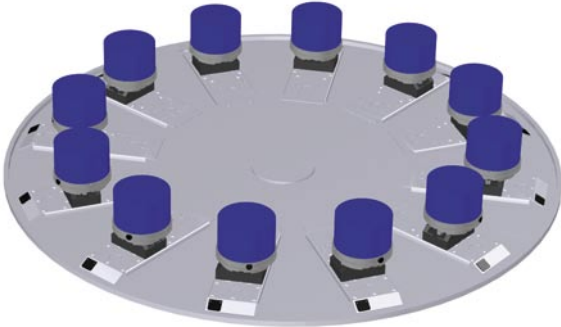
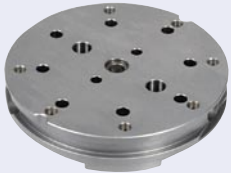
Macro pallet system with chip guard

- Pallet size □52 mm or □70 mm
- 60 magazine positions
- Max 25 kg per position



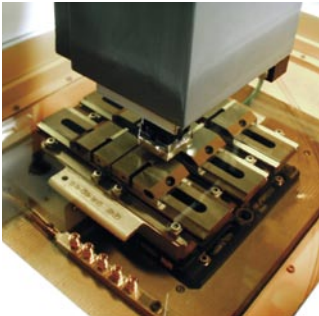
Macro pallet system

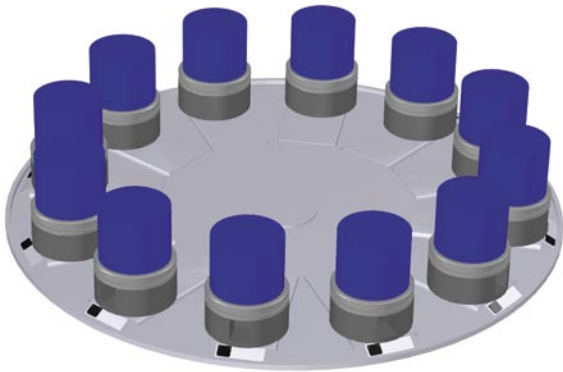
- Pallet size Ø116 mm
- 12 magazine positions
- Max 30 kg per position



Macro pallet system with chip guard

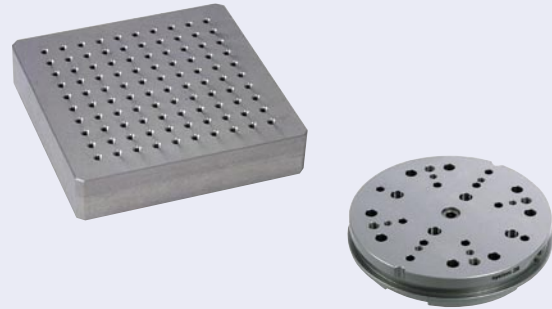
- Pallet size □52 mm or □70 mm
- 12 magazine positions
- Max 15 kg per position





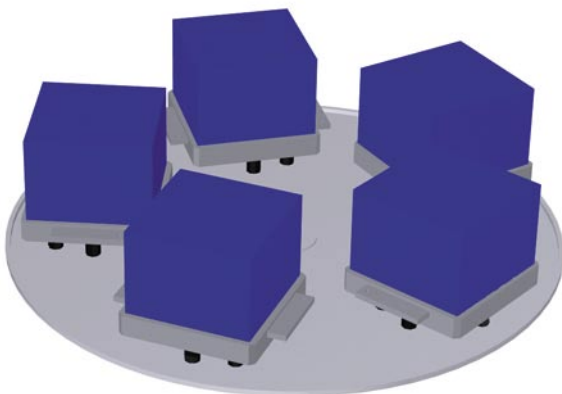
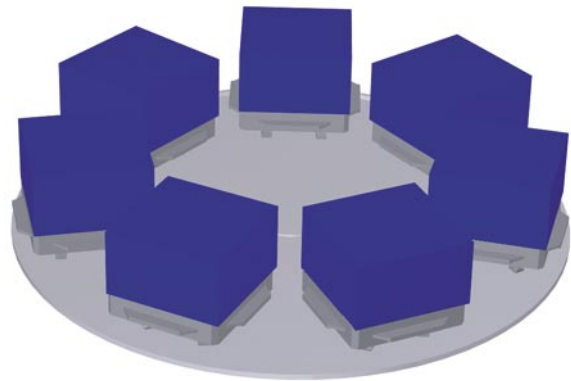
MacroMagnum pallet system

- Pallet size $\varnothing 156$ mm
- 12 magazine positions
- Max 50 kg per position



Pallet system GPS 240

- Pallet size $\square 240$ mm
- 7 magazine positions
- Max 50 kg per position

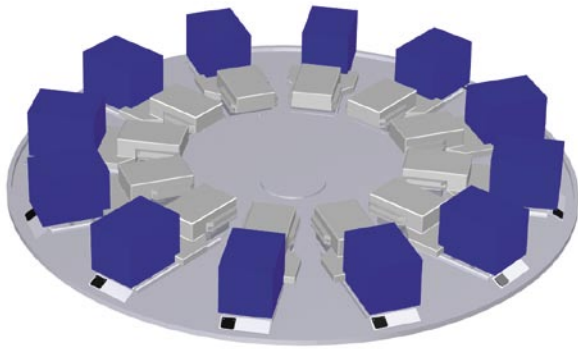


Dynafix pallet system

- Pallet size $\square 280$ mm
- 5 magazine positions
- Max 50 kg per position

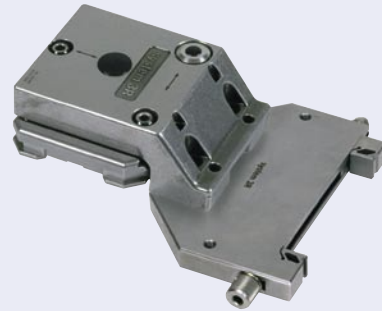


Wire EDMing



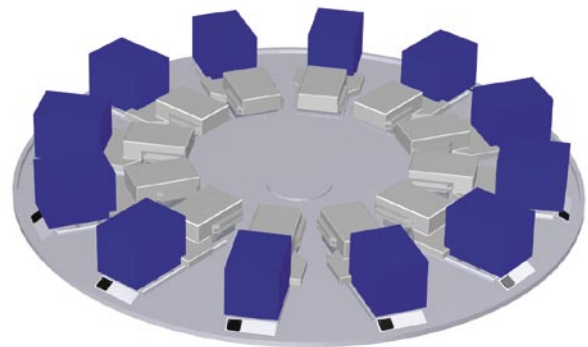
MacroWEDM pallet system

- Levelling adapter or fixed mounting head
- 12 magazine positions
- Max 15 kg per position



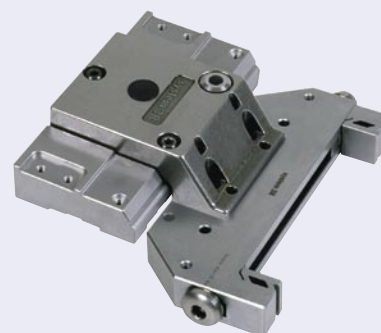
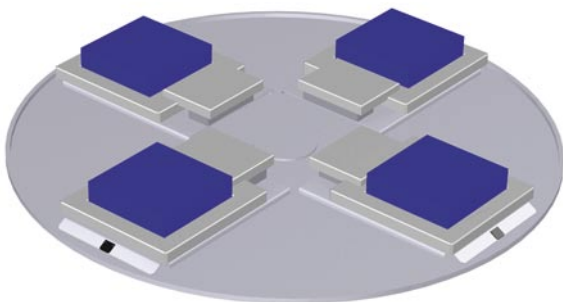
Unimatic pallet system

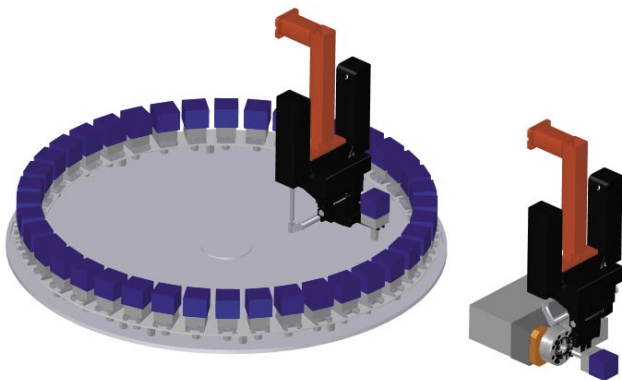
- Levelling adapter or fixed mounting head
- 12 magazine positions
- Max 15 kg per position



MacroWEDM Twin pallet system

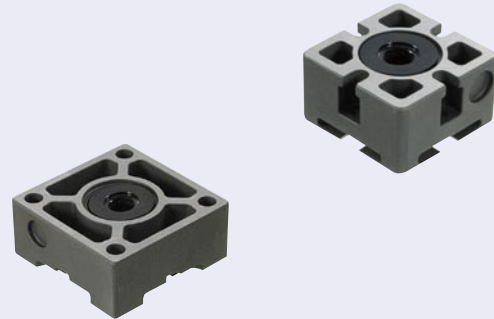
- Levelling adapter or fixed mounting head
- 4 magazine positions
- Max 25 kg per position





Macro B-Axis pallet system

- Pallet size □52 mm or □70 mm
- 40 magazine positions
- Max 10 kg per position



WorkShopManager

Automation used to be associated with the production of long runs of parts. Forget it – now there's WorkShopManager.

WorkShopManager is a family of software that can be combined in different configuration to meet the needs of each individual user.

All preparation tasks are done in peace and quiet, away from the production cells. It's just as straightforward to prepare single-piece production and series production. Simple, secure handling of order numbers, NC programs and offset values.

Identification system

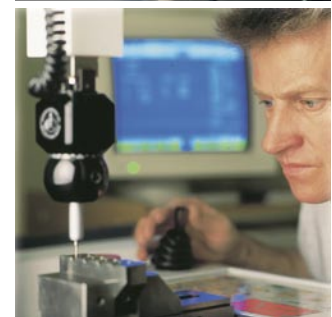
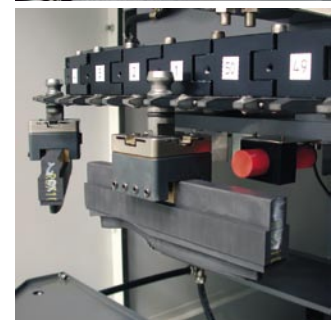
WorkShopManager needs the pallets to have an identification system. Either visual identification with marking labels, for example, or an electronic system with inductive readers and ID transponders.

With the electronic system, every pallet is given a code carrier – an ID button – which has a unique identity. All necessary information is linked to this identity in the cell computer that controls the entire process. Complete control. Always with the focus on production flow.

WorkShopManager guarantees production flow

- ✓ Always the right machining program.
- ✓ Always the right workpiece.
- ✓ Always the right offset values.
- ✓ Always the right magazine position.

With WorkShopManager the work process becomes simpler, safer and more profitable! Almost foolproof!



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