Pace1Tools and Meyer Turku Shipyard 'Win-Win' partnership

"It's a great piece of equipment that will benefit us significantly." Rami Ojanperä, Meyer Turku

Meyer Turku Shipyard uses Pace1Tools' final tightening machines to tighten hydraulic pipes and coupling nuts and install piping for automatic fire protection systems. The fruitful cooperation between the professionals at Turku Shipyard and the founder of Pace1Tools has continued for more than 30 years. The P1 FT42M final tightening machines have been used, tested, and developed in a natural construction site environment. Tightening line nuts and connectors is much more efficient and ergonomic.

Putkityökalu Oy, founded by Jukka Jokinen, has supplied Turku Shipyard with pipe-bending machines since the 1990s. Testing of the cutting ring pre-assembling machines started at the shipyard in 2007.

"We needed a machine to replace traditional long wrenches to install and tighten stainless steel precision tubes. The use of long wrenches was cumbersome, slow and laborious. However, no good device was available on the market, and we decided to ask our long-time partner, Jukka Jokinen, for help. We asked them to develop a final clamping machine that would meet the needs of our fitters," says Meyer Turku Shipyard's Area Manager, Machine Areas, Rami Ojanperä.

The installation team at Turku Shipyard started testing the prototype of Pace1Tools' final tightening machine in 2019. "We already thought the prototype was a good machine, but based on the feedback we received, Pace1Tools was able to develop an even better model for us quite quickly. The nuts and connectors can now be easily tightened sufficiently. The work has become much faster, and the quality has improved," says Ojanperä. "Even planning the work is now easier."

The Pace1Tools final tightening machine for hydraulic pipes on vessels and builds an automatic fire-fighting system. The sprinkler system will be installed on all floors, spaces, and cabins, and the clamps will be used to install the entire sprinkler system trunk line.

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Facilitated the work and planning of installation teams

The PACE1 clamp P1FT42M weighs 6.7 kg and is about the size of two palms, making it convenient for small spaces. In total, around ten installers use the clamps in the yard.

"It's important that our skilled workers and those of our trusted partners can tighten the fitting nuts efficiently. The clamping machine makes the work lighter and more meaningful. Its compact size makes operating and working safely in tighter fittings easier. Work ergonomics have been significantly improved. One installer can now do the same job that used to take two people to do with a traditional 1,5 meters long wrench," says Ojanperä. "The operator training is done in an hour."

"PACE1 represents a unique and innovative technology that will benefit us significantly. We have not found a competing product on the market," says Ojanperä. "It is a clever and brilliant device. Users have been delighted with it."

"Over the years, we have worked very closely with our customers' professionals to develop our tensioners and have received valuable tips on improving our equipment. We firmly believe that developing equipment that works and delivers real added value requires a deep understanding of the customers' and users' genuine needs, intended use, and site environment and its requirements. Both parties have benefited from our collaboration. It is a true 'win-win' partnership," says Jukka Jokinen, founder and CEO of Pace1Tools. "I fully endorse this", underlines Ojanperä.

Few facts in a nutshell:

- Around ten professionals use the PACE1 final tightening P1FT42M machine to tighten hydraulic pipes and install piping for the automatic fire protection system.
- One person can now complete the final tightening job, which previously required two fitters.
- Compact size facilitates operation and improves safety, work quality, and ergonomics, even in confined spaces.
- Pace1Tools has several patents in almost all major industrialised countries to protect its innovations from copying.
- The latest innovation is the P1FT42A, developed from the current P1FT42M model. It will be launched in early 2025 and will feature the novelty of a computer and display of the implemented clamping. Thus, each joint and its tightening can be verified and transferred to the desired file.

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