

PRECISION KEYSEATERS

MAXIMUM PRODUCTIVITY, EFFICIENCY
AND PRECISION IN GROOVING



SYSTEM PATENTED &
MANUFACTURED IN SPAIN

MECO PRECISION KEYSEATERS

A model for every need

The revolutionary MECO precision keyseater is currently considered to be the most versatile machine on the market. Using an innovative patented system, it performs direct keyseating, offering much greater precision and speed than other existing machines.

Its versatility is demonstrated by the fact that with the same machine, all kinds of shapes can be made, regardless of the size of the workpiece: grooves, keyways, splines, external and internal serrations, helicoidals... It is therefore a precision keyseater designed for workshops and industries looking for versatility and speed in this type of work.

Its first model was developed in 2000 and we currently have more than 500 keyseaters operating in 30 countries. This machine is continuously being improved with new features and models, always complying with all European and American quality and safety standards.



INNOVATION AND QUALITY RECOGNISED

In 1998 the Spanish Ministry of Industry publicly recognised MECO for breaking the deadlock of grooving technology over the last 50 years. In addition, the Spanish Machine Tool Manufacturers Association has supported the internationalisation of the keyseater thanks to its quality and innovation. In 2021 we were awarded the “Innovative SME Seal” by the Ministry of Science and Innovation.

SYSTEM PATENTED AND MANUFACTURED IN SPAIN

As the new MECO keyseater system represents a radical change in the way workpieces are processed and leads to multiple advantages, MECO has patented this innovative system worldwide. The machine has been developed and is manufactured entirely in Spain, using only top quality materials and components, thus ensuring the highest standards.

A MODEL FOR EVERY NEED

MEC 55 · CNC

MEC 100 · Premium CNC

MEC 70 · Basic · CNC · Premium CNC

MEC ARC · Premium CNC

MEC 80 · Basic · CNC · Premium CNC

A VERSATILE MACHINE THAT BRINGS YOU NOTHING BUT ADVANTAGES

Maximum precision

The MECO keyseater guarantees the best possible job execution and unprecedented precision. You don't depend on the skill of the operator.

Speed for maximum productivity

Your perfect keyways in record time. MECO keyseaters can produce a 28 mm wide keyway in about 4 minutes, independent of the operator.

The most versatile machine on the market

It handles all imaginable grooving and notching jobs, both inside and outside the workpiece. And all this... with just one machine!

Innovation for total efficiency

It works with the direct width of the groove to be machined. This results in absolute precision and high speed for maximum productivity.

Ease of use

This machine can be used by any workshop operator after a minimum training. No special skills are required, the machine provides the precision.

High cutting power

Thanks to innovation and a radical change in the way workpieces are processed, there is no material or grooving you can't handle using the MECO keyseater.

Maintenance-free

The MECO keyseater has no need of maintenance.

A wide range for all types of workshops

It ranges from the smallest and most economical model for small workshops to large and sophisticated keyseaters with automatic divisor plate and CNC control for companies with maximum production requirements.

Total tool optimisation

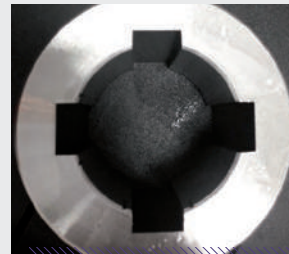
The tool remains fixed, so tool life is up to 30 times longer than on conventional keyseaters. In addition, the tool is changed quickly, in just 4 seconds. Both, its long tool life and great price make it an invaluable asset in any company wanting to be cost effective.

Rapid return on investment

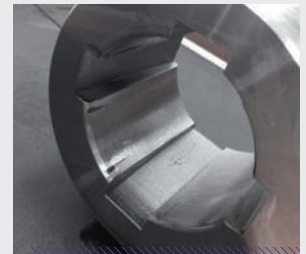
Given its many advantages and high versatility, if you choose the model that best suits the needs of your workshop, the investment will pay for itself in just a few months.

EVERY APPLICATION, JUST ONE MACHINE

SLOTS AND GROOVES



Straight



Conical



Helicoidal



Blind



Special parts



Special parts

GEOMETRICAL SHAPES



Splines



Polygonal geometry

A WIDE RANGE FOR ALL NEEDS

MEC 55



FUNCTIONAL KEYSEATER FOR SMALL WORKSHOPS

- Maximum workpiece height 275 mm · Keyway width from 3 to 45 mm · Worktable can accommodate workpieces up to approx. 400 mm in diameter.

CNC

- Possibility of making straight and conical slots, and blind holes · CNC control to control cutting speed, feed speed and worktable travel speed · Perfect when working with different materials and hardness.

MEC 70



MAXIMUM PRECISION AND SPEED FOR MEDIUM-SIZED WORKPIECES

- Maximum workpiece height 340 mm · Keyway widths from 3 to 100 mm · Worktable can accommodate workpieces up to approx. 600 mm in diameter · Straight and conical, both in end-to-end and also blind hole slots.

Basic

- Manual cutting feed rate · Automatic tool separation system in each work cycle to prevent the tool friction on the workpiece, thus obtaining a perfect finish and a longer tool life.

CNC

- CNC control to configure and track cutting speeds, feed rates and worktable movement · Perfect when working with a variety of materials and hardness.

Premium CNC

- Includes automatic indexing table, so the maximum workpiece height is 310 mm · Suitable for multiple slots and splines.

MEC 80



VERSATILE KEYSEATER FOR MASS PRODUCTION WORKSHOPS

- Maximum workpiece height 440 mm · Keyway width from 3 to 100 mm · Worktable for workpieces up to approx. 800 mm in diameter · Straight and conical, both in end-to-end and also blind hole slots.

Basic

- Manual cutting feed rate · Automatic tool separation system in each work cycle to prevent the tool friction on the workpiece, thus obtaining a perfect finish and a longer tool life.

CNC

- CNC control to configure and track cutting speeds, feed rates and worktable movement · Perfect when working with a variety of materials and hardness.

Premium CNC

- Includes automatic indexing table, so the maximum workpiece height is 410 mm · Suitable for multiple slots and splines, both internal and external.

MEC 100



MAXIMUM PRODUCTIVITY FOR LARGE SLOTS

- Maximum workpiece height 650 mm
- Keyway widths from 3 to 115 mm
- Worktable can accommodate workpieces up to approx. 1,000 mm in diameter
- Straight, conical, helical and blind hole notches - Internal and external.

Premium CNC

- Including automatic indexing table
- Suitable for multiple slots and keyways, both internal and external
- Also suitable for helical keyways.

MEC ARC

THE FIRST ARC KEYSEATER FOR LARGE WORKPIECES

MEC ARC is a new concept of keyseater: it is the result of years of experience in the construction of this type of machine. MEC ARC is initially designed for machining large workpieces with keyways and grooves of any geometry and size, both inside and outside the workpiece.

The arc configuration of the MEC ARC range provides unprecedented working rigidity in this type of machining. MEC ARC has four work axes synchronised between them thanks to the implementation of a CNC system. The incorporation of CAM in the system allows the MEC ARC

to work without any limitations when defining any type of geometry, however complex it may be, and always with maximum precision.

With the MEC ARC range, MECO reaches its maximum exponent in terms of technological capacity and design. And so, being able to build the MEC ARC that best suits the production needs of each customer. MEC ARC is a unique and revolutionary keyseater that undoubtedly places us at the forefront in the construction of this type of machine worldwide.



MECO, ADVANCED MECHANICAL ENGINEERING

MECÁNICA COMERCIAL MECO, with an accumulated experience of almost 40 years, is a company led by the Peirón family that is dedicated to the development of advanced mechanical engineering projects, whether they are designs based on customer needs or its own innovations and creations. In these four decades, MECO has also become the most reliable partner for the industrial maintenance of the most important factories in its area of influence.

In 2000, MECO developed an innovative keyseater, a revolution in the industry thanks to its high precision, speed and ease of use. This patented system, developed entirely by the MECO team, has already been successfully introduced in more than 30 countries around the world.

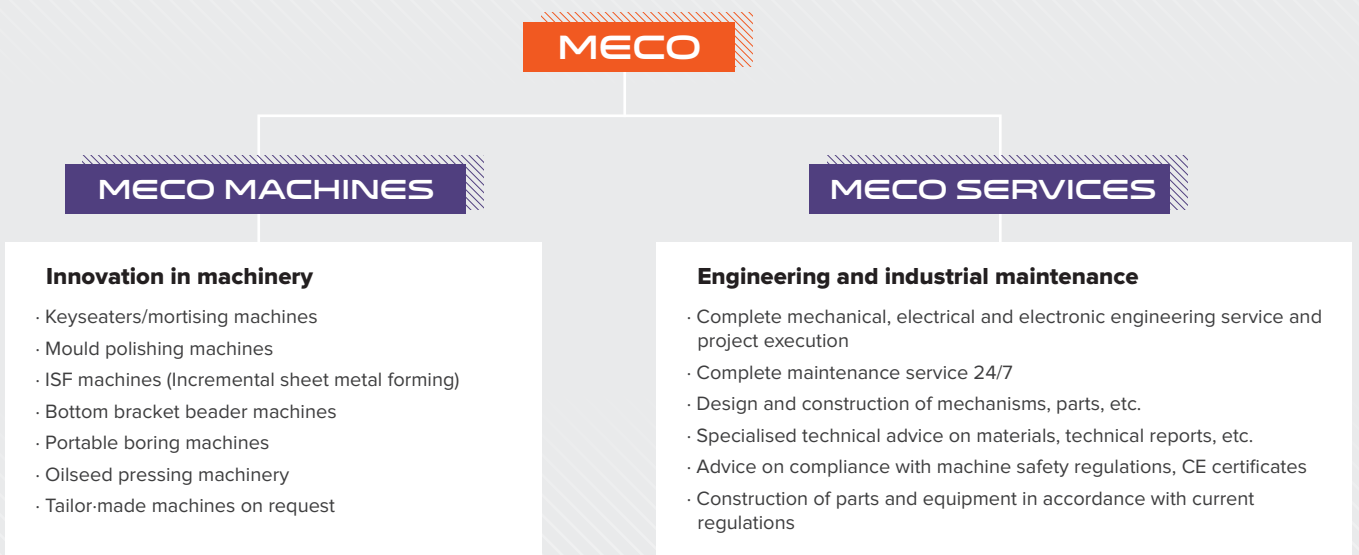


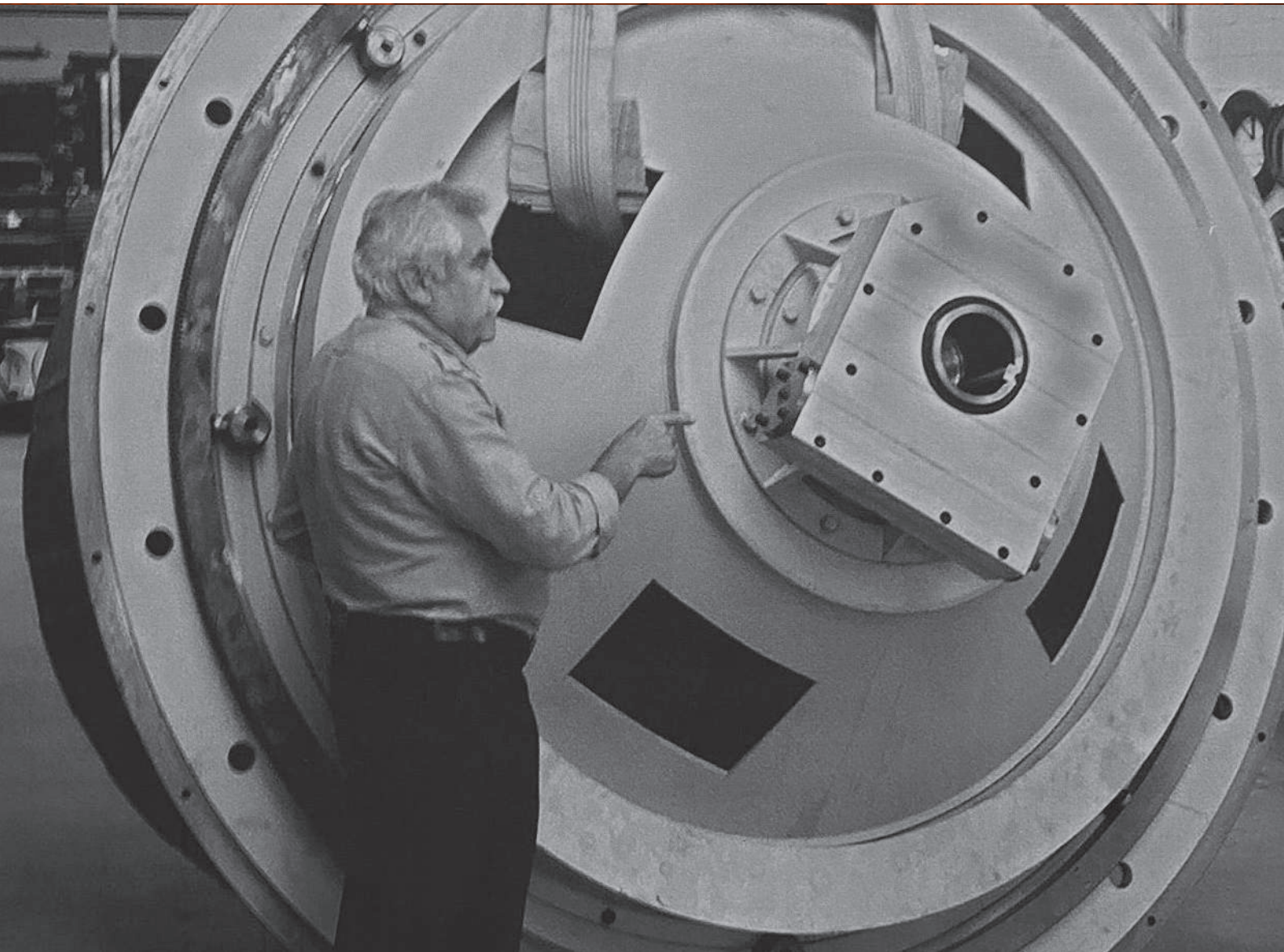
Currently, in addition to the marketing of various types of machine tools and the implementation of the industrial maintenance service, MECO has developed new revolutionary machines such as the ISF (incremental sheet metal forming system), the mould polishing machines or the large MEC ARC keyseaters.

A FAMILY BUSINESS WITH INTERNATIONAL VALUES:

- ✓ Innovation
- ✓ Professionalism
- ✓ Personalised service
- ✓ Teamwork
- ✓ High involvement
- ✓ Quality and precision

HIGH ADDED VALUE SERVICES FOR INDUSTRY





TRUSTED BY MORE THAN 500 CUSTOMERS WORLDWIDE



- ✓ Spain
- ✓ France
- ✓ Italy
- ✓ Germany
- ✓ Norway
- ✓ Finland
- ✓ Poland
- ✓ Russia
- ✓ India
- ✓ United States of America
- ✓ Canada
- ✓ Brazil
- ✓ Chile
- ✓ Angola
- ✓ Japan
- ✓ Australia
- ✓ Ukraine
- ✓ Saudi Arabia
- ✓ Algeria

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