



PRECISION SLOTTING MACHINE

MAXIMUM PRODUCTIVITY, EFFICIENCY
AND PRECISION IN GROOVING



SYSTEM PATENTED &
MANUFACTURED IN SPAIN

MECO PRECISION SLOTTING MACHINES

The revolutionary precision slotting machine by MECO is currently considered to be the most versatile machine in the market. It uses an innovative and patented system to make direct slots, offering greater precision and speed than other existing machines.

Its versatility is demonstrated by the fact that just one machine can be used to make every type of shape, regardless of the size of the part: grooves, keyways, splines, exterior and interior splines, spirals, etc. This precision slotting machine has been designed for workshops and industries that require versatility and speed when producing these types of parts.

The first model was developed in 1998 and today over 300 slotting machines are used in workshops in more than 20 countries. The machine is in constant development with added improvements and new features and models, and always complies with all European and American quality standards.



RECOGNISED INNOVATION AND QUALITY

In 1998 MECO received public recognition from the Spanish Ministry of Industry for having broken out of the stagnation that had affected grooving techniques for the past 50 years. In addition, the Machine Tool Manufacturers' Association of Spain has supported the internationalisation of this slotting machine thanks to its high quality and innovative features.

SYSTEM PATENTED AND MANUFACTURED IN SPAIN

The MECO slotting system represents a radical change in the method used for working on parts, offering multiple advantages, and the company has therefore taken out an international patent for this innovative system. The machine has been entirely developed and manufactured in Spain, thereby guaranteeing the highest quality standards.

A MODEL FOR EVERY NEED

MEC 55

• CNC

MEC 100

• CNC • Premium CNC

MEC 70

• Basic • CNC • Premium CNC

MEC 150

• CNC • Premium CNC

MEC 80

• Basic • CNC • Premium CNC

MEC ARC

• Premium CNC

A VERSATILE MACHINE WITH MULTIPLE ADVANTAGES

Maximum precision

The MECO slotting machine guarantees accurate work and unprecedented precision. It does not depend on the skill of the operator.

Speed for maximum productivity

Perfect keyways in record time. The MECO slotting machine can make a 28 mm wide keyway in 4 minutes, regardless of the operator.

The most versatile machine in the market

It is capable of creating every imaginable type of interior and exterior groove. And all with just one machine!

Innovation for total efficiency

It works with the actual width of the groove being machined. This achieves total precision and high speed for maximum productivity.

Ease of use

This machine can be used by any operator in the workshop following basic training. It does not require any special skill; it is the machine that achieves the precision.

Great cutting power

Thanks to its innovative features and radical method of working with parts, there is no material or groove that cannot be machined with the MECO slotting machine.

No maintenance

The MECO slotting machine requires no maintenance; even the tools can be made in-house, and sharpening the cutting edge is quick and easy.

A wide range for every type of workshop

MECA manufactures a wide range of machines, from small, economically-priced models for small workshops to large and sophisticated slotting machines with automatic rotary indexing and CNC control for companies that require maximum production rates.

Total optimisation of tools

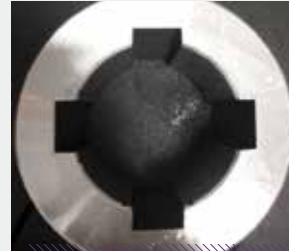
The tool is fixed and can be sharpened several times, meaning that its useful life is 30 times longer than in a conventional slotting machine. Furthermore, it can be changed quickly, in just 4 seconds.

Rapid return on investment

Given its multiple advantages and high versatility, if you choose the slotting machine that best suits the needs of your workshop you will recoup the investment in a few months.

EVERY APPLICATION, JUST ONE MACHINE

SLOTS AND GROOVES



Straight



Conical



Spiral



Blind



Special parts



Special parts

GEOMETRIC SHAPES



Splines



Polygonal geometry

A WIDE RANGE FOR

MEC 55



FUNCTIONAL SLOTTING MACHINE FOR SMALL WORKSHOPS

· Maximum part height: 275 mm · Keyway width: 3 mm - 45 mm · Work table with space for parts up to approx. 400 mm in diameter

CNC

· Option of making straight and conical slots and working in blind holes · CNC control for controlling cutting and feed speeds and the movement of the table · Perfect for workshops that work with different materials and hardnesses

MEC 70



MAXIMUM PRECISION AND SPEED FOR AVERAGE SIZE PARTS

· Maximum part height: 340 mm · Keyway width: 3 mm - 100 mm · Work table with space for parts up to approx. 600 mm in diameter · Straight and conical slots and in blind holes

Basic

· Manual cutting feed · Automatic system that separates the tool from the part in each work cycle to avoid brushing the tool against the part, thereby achieving a perfect finish and longer useful tool life

CNC

· Option of making straight and conical slots and working in blind holes · CNC control for controlling cutting and feed speeds and the movement of the table · Perfect for workshops that work with different materials and hardnesses

Premium CNC

· Includes automatic rotary indexing, so the maximum part height is 310 mm · Model suitable for making multiple slots and splines

MEC 80



VERSATILE SLOTTING MACHINE FOR HIGH PRODUCTION WORKSHOPS

· Maximum part height: 440 mm · Keyway width: 3 mm - 100 mm · Work table with space for parts up to approx. 800 mm in diameter · Straight and conical slots and in blind holes · Interior and exterior

Basic

· Manual cutting · Automatic system that separates the tool from the part in each work cycle to avoid brushing the tool against the part, thereby achieving a perfect finish and longer useful tool life

CNC

· Option of making straight and conical slots and working in blind holes · CNC control for controlling cutting and feed speeds and the movement of the table · Perfect for workshops that work with different materials and hardnesses

Premium CNC

· Includes automatic rotary indexing, so the maximum part height is 410 mm · Model suitable for making multiple interior and exterior slots and splines

EVERY NEED

MEC 100



MAXIMUM PRODUCTIVITY FOR LARGE SLOTS

· Maximum part height: 650 mm · Key-way width: 3 mm - 115 mm · Work table with space for parts up to approx. 1,000 mm in diameter · Straight, conical and spiral slots and in blind holes · Interior and exterior

CNC

· Option of making straight and conical slots and working in blind holes · CNC

control for controlling cutting and feed speeds and the movement of the table · Perfect for workshops that work with different materials and hardnesses

Premium CNC

· Includes automatic rotary indexing · Model suitable for making multiple interior and exterior slots and splines · Can also be used to make spirals

MEC 150



SLOTING MACHINE FOR LARGE PARTS THAT ARE HARD TO MACHINE

· Maximum part height: 1,100 mm · Key-way width: 3 mm - 150 mm · Work table with space for parts up to approx. 1,400 mm in diameter

CNC

· Option of making straight and conical slots · CNC control for controlling cutting

and feed speeds and the movement of the table · Perfect for workshops that work with different materials and hardnesses

Premium CNC

· Includes automatic rotary indexing · Model suitable for making multiple slots and splines

MEC ARC

· Maximum part height: 1,400 mm · Key-way width: 3 mm - 150 mm · Work table with space for parts up to approx. 3,000 mm in diameter · Straight, conical and spiral slots, and in blind holes · Interior and exterior · CNC control for controlling cutting and feed speed and the movement of the work table · Perfect for workshops that work with different materials and hardnesses

THE FIRST SLOTING MACHINE WITH BRIDGE FOR GIANT PARTS



MECO: ADVANCED MECHANICAL ENGINEERING

Managed by the Peirón family, MECÁNICA COMERCIAL MECO has over 30 years' experience. It develops advanced mechanical engineering projects, which may be based on clients' needs or its own, innovative creations. Following a history spanning over three decades, MECO has become the most reliable partner for industrial maintenance in the most important factories in its sphere of influence.

In 2000, MECO developed an innovative slotting machine that was revolutionary in its sector thanks to its great precision, speed and ease of use. This patented system was developed entirely by the MECO team and has now been successfully introduced into over 20 countries around the world.

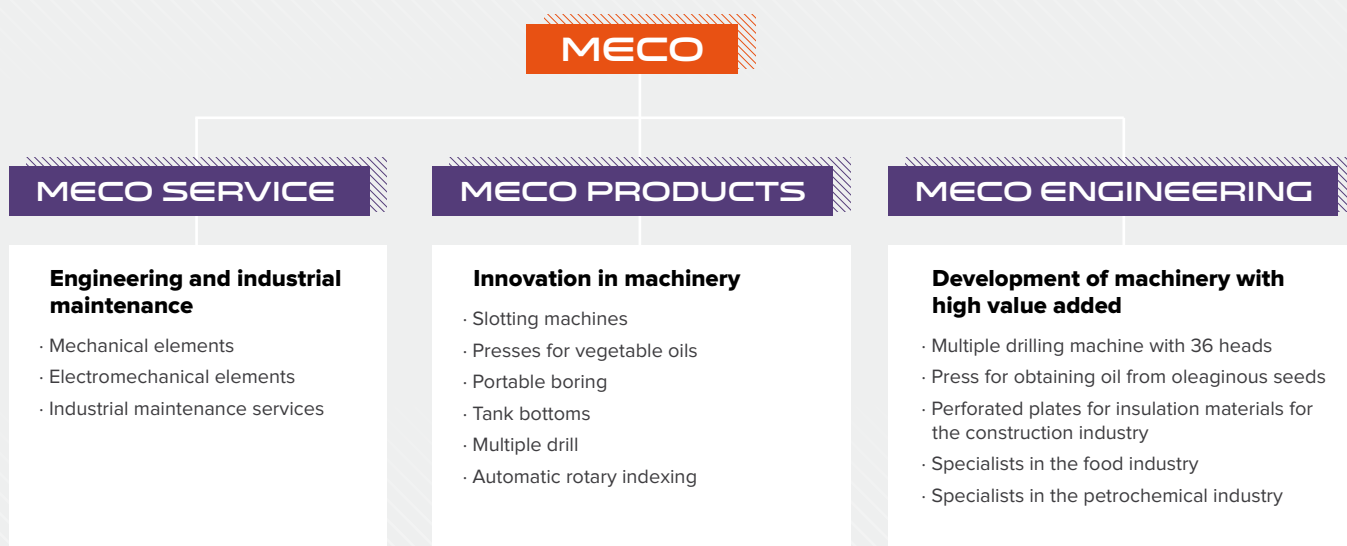
Today, in addition to producing several types of machine tool and implementing its industrial maintenance service, MECO is in the process of developing new, revolutionary machines, such as a multiple drilling machine with 36 heads for large matrices.



A FAMILY COMPANY WITH INTERNATIONAL VALUES:

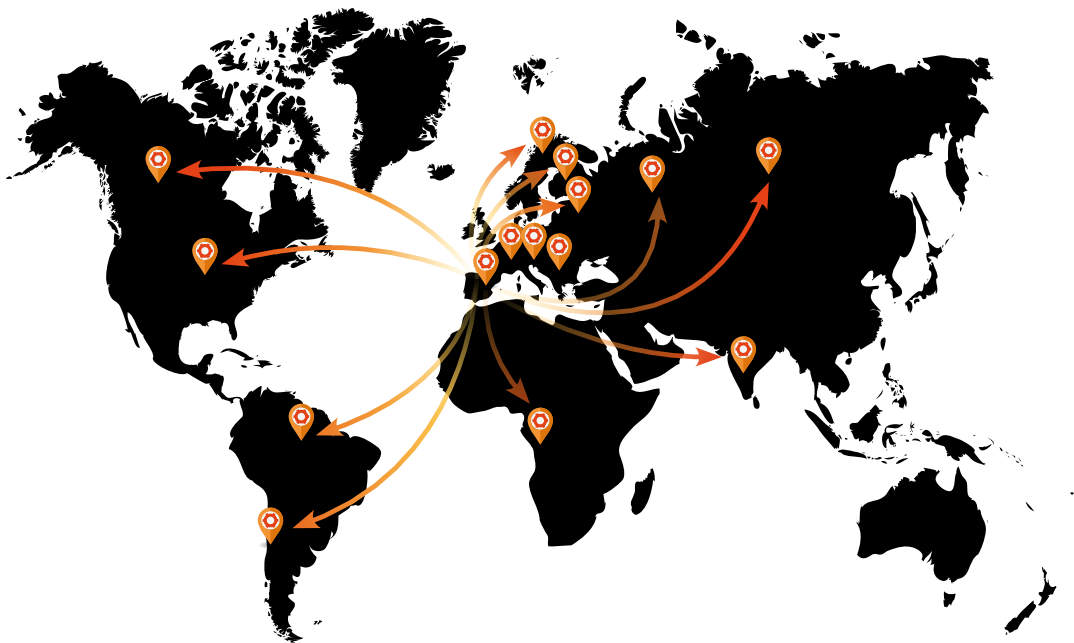
- ✓ Innovation
- ✓ Professionalism
- ✓ Customised service
- ✓ Team work
- ✓ Deep involvement
- ✓ Quality and precision

HIGH ADDED VALUE SERVICES FOR INDUSTRY





TRUSTED BY OVER 100 CUSTOMERS ALL OVER THE WORLD



- ✓ Spain
- ✓ France
- ✓ Italy
- ✓ Germany
- ✓ Norway
- ✓ Finland
- ✓ Poland
- ✓ Russia
- ✓ India
- ✓ USA
- ✓ Canada
- ✓ Brazil
- ✓ Chile
- ✓ Angola



ENGINEERING PROFESSIONALS AT YOUR SERVICE

- ✧ Technical support service
- ✧ Personal service, friendly staff
- ✧ 24-hour support
- ✧ Spare parts
- ✧ International presence



Licoristes, 35. Polígon Industrial de Valls · 43800 Valls (SPAIN)

Phone. +34 977 60 31 01 · www.meco-industries.com · info@mecosl.es