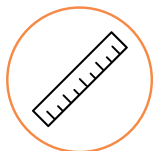


PamCut

MACHINES FOR CUTTING AND CHAMFERING
DUCTILE IRON PIPES



PRECISION



ERGONOMICS



SAFETY



A SAFE PATH FOR WATER

PAM
SAINT-GOBAIN

PREAMBLE

The construction of drinking water and sewerage networks in small diameters requires cutting a number of pipes. Listening to its customers and attentive to the installation conditions of its products, Saint-Gobain PAM Canalisation offers the range of PamCut machines: they allow users to perform cutting and chamfering of pipes accurately, ergonomically and safely.



CUTS ON SITE

According to our estimates, the amount of pipe requiring cutting on site is:

- 5-10% of pipes of diameters < DN200 for drinking water networks;
- 20-25% of pipes of diameters < DN300 for sewerage networks.

SUMMARY

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THE PAMCUT MACHINES

The range of PamCut machines allows cutting PAM iron pipes from DN 100 to 300, regardless of the interior coating (mortar, polyurethane, epoxy powder, Ductan). After cutting these pipes, a chamfer must be made to ensure jointing. Our machines PamCut also produce this bevel.

AN ORIGINAL DESIGN



- A Motor
- B Fixed housing
- C Mobile housing
- D Blade

- E Pipe attachment system with 8 support bearings
- F Handle



PATENTED ATTACHMENT SYSTEM

Example with PamCut 360 ECC



THE PRINCIPLE

The originality of PamCut machines lies essentially in their unique and patented attachment system.

The attachment system holds the machine on the pipe.

The user pushes the handle of the machine effortlessly to accompany the machine that moves over the pipe to cut and/or chamfer it.

When the user can no longer move forward, he brings the machine back to him but also the pipe because notched bearings cling to the pipe and rotate it in the same direction. The user can thus complete the operation.



Cutting
and chamfering
can be done
at the same time.



THE BENEFITS: PRECISION, ERGONOMICS, SAFETY

PamCut machines perform **precise** work.

They have been designed to provide **maximum working comfort** to their users.

They have been designed to be used **safely**.

No need for experience in pipe cutting to use PamCut machines and achieve **impeccable** cuts and bevels!

THE PAMCUT MACHINES



PRECISION

SQUARE CUT...

PamCut machines make right-angle cuts perfectly at square angles, without cutting offset. The result is no surprise.

...PRECISE AND REGULAR CHAMFER

The PamCut machines perform a suitable and regular chamfer throughout the perimeter of the pipe. The depth of the chamfer is easily adjustable thanks to a control dial.

Cutting and chamfering can be done at the same time, in one step. This results in significant time savings and improved productivity.

WITHOUT PamCut



Sharp angles can cause difficulties in fitting pipes, which can be the source of leaks due to backflow and/or damage to joints

WITH PamCut

An impeccable result, obtained quickly.



ZOOM

On this site, the cutting and chamfering of a DN 200 were carried out in 2 minutes on average.

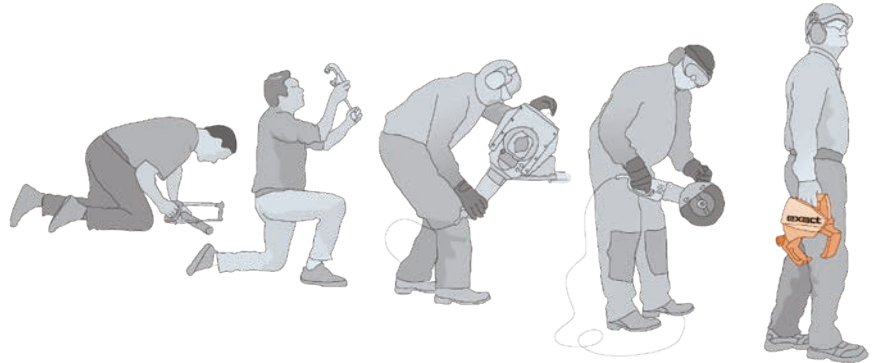




ERGONOMICS

HANDY

Easy to transport and operate, PamCut machines replace heavy and unwieldy tools that need to be readjusted with each cut.



MOBILE

In a workshop, on a construction site, in a trench for the pneumatic version: the ergonomics of the PamCut machines makes it easy to intervene in all places.



PRACTICAL

- PamCut machines have one or more handles depending on the model, allowing a good grip.



- The machine is attached to the pipe by the attachment system: the user doesn't support its weight.
- The attachment system, with its notched bearings, combined with the roller supports on which the pipe rests, allows the rotation of the machine around the pipe with a minimum effort for the user.

Users of PamCut machines gain in working comfort but also in safety.

THE PAMCUT MACHINES



SAFETY



NO UNEXPECTED MACHINE MOVEMENTS DURING CUTTING

The attachment system (eight bearing support points) ensures that the machine remains in position on the pipe.

NO PIPE HANDLING

With traditional cutting tools, handling the pipe for rotating it while cutting may expose the user to a risk of injury. With PamCut machines, it is the machine that rotates around the pipe, and when returning to the start position, the pipe is moved automatically by the notched bearings of attachment system.

NO PROJECTIONS



A housing fully protects* the blade during operations of cutting/chamfering. For the safety of the user, this housing is always in contact with the pipe, making it impossible to access the blade.

In the case of breakage of the blade, due to wear, for example, debris of the blade will remain inside the machine housings and will not be thrown outside. The user is protected. Similarly, any sparks caused by cutting and chamfering remain inside the housings, avoiding projections that could injure the user or be the source of a fire

ZOOM

PamCut AIR 360 PCC, powered by air (compressor), is not affected by the wet environment of the trench. So it can be used safely for pipe repair.



* except 360 PCC version

THE PAMCUT OFFER

CHOOSE YOUR MACHINE

Choose your machine depending on the ductile iron pipe DN:

PAMCUT ELECTRIC VERSION

DN (mm)	Thickness max	Designation	Equipment	Reference	See page
80-200	10 mm ⁽¹⁾	PamCut 220 ECC	Diamond blade for cutting and chamfering	280707	10
100-300	10 mm ⁽²⁾	PamCut 360 ECC	Diamond blade for cutting (diamond blade for cutting and chamfering delivered un-assembled)	239653	11

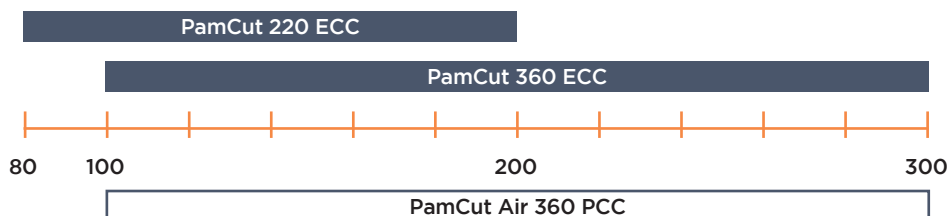
⁽¹⁾ Also suitable for DN 100-220 steel pipe up to 10 mm thick, plastic up to 50 mm thick

⁽²⁾ Also suitable for DN 150-360 steel pipe up to 10 mm thick, plastic up to 50 mm thick

PAMCUT PNEUMATIC VERSION

DN (mm)	Thickness max	Designation	Equipment	Reference	See page
100-300	10 mm ⁽²⁾	PamCut AIR 360 PCC	To order: blade for cutting, blade for cutting and chamfering	269940	12

RANGES OF DN CAST IRON PIPES THAT CAN BE CUT/CHAMFERED WITH THE PAMCUT MACHINE



■ Electric machine

□ Pneumatic machine

Maximum thickness of cast iron pipe: 10 mm

We also offer machines for cutting/chamfering DN400 to 800: consult us.

THE RANGE

PAMCUT 220 ECC



DIAMETER DN*



80-200 mm

THICKNESS MAX*



10 mm

EQUIPMENT

Diamond blade for cutting and chamfering



WEIGHT



15 kg

POWER



220-240V / 50-60 Hz

REFERENCE



280707

CONDITIONING

Machine supplied in its carrying bag (1) with:

- 4 cutting supports (2)
- 2 Allen wrenches (5 and 2 mm, for adjustments and blade change) (3)
- assembly instructions (4)



* Data for cast iron pipes; also suitable for DN100-220 steel pipe up to 10 mm thick, plastic up to 50 mm thick

PAMCUT 360 ECC

DIAMETER DN*



100-300 mm

THICKNESS MAX*



10 mm

EQUIPMENT

Blade for cutting and chamfering delivered un-assembled



WEIGHT



18 kg

POWER



220-240V / 50-60 Hz

REFERENCE



239653

CONDITIONING

Machine supplied in its carrying bag (1) with:

- Diamond blade for cutting and chamfering to be mounted (2)
- Removable housing (for blade for cutting and chamfering) (3)
- 2 Allen wrenches (5 and 2 mm, for adjustments and blade change) (4)
- cutting supports (1 double and 2 single) (5)
- assembly instructions (6)



* Data for cast iron pipes; also suitable for DN150-360 steel pipe up to 10 mm thick, plastic up to 50 mm thick

THE RANGE

PAMCUT AIR 360 PCC



DIAMETER DN*



100-300 mm

THICKNESS MAX*



10 mm

EQUIPMENT

blades to be ordered separately**

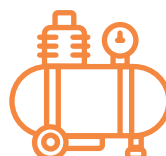


WEIGHT



27.2 kg

POWER



Delivering 6 bar pressure and 4 m³ per minute air flow

REFERENCE



269940

CONDITIONING

Machine delivered with Allen wrenches to mount the blades



* Data for cast iron pipes; also suitable for DN150-360 steel pipe up to 10 mm thick, plastic up to 50 mm thick

** Blades to be ordered separately: cutting blade (239789) or blade for cutting and chamfering (268798). See blades on page 13.

BLADES / SUPPORTS / KITS

THE BLADES

Depending on the PamCut machine, to equip or change the blade, Saint-Gobain PAM Canalisation offers blades for cutting alone or cutting and chamfering our pipes:



DIAMOND			CUT+BEVEL DIAMOND	
Material of the pipe	Ductile iron (max 10mm), cast iron with concrete layer		Ductile iron (max 10mm), other: plastics	
Function of the blade	Cutting		Cutting and chamfering	
Models	Ref.	Diam. in mm	Ref.	Diam. in mm
PamCut 220 ECC	239786	140	247237	140
PamCut 360 ECC	239789	165	268798	165
PamCut AIR 360 PCC	239789	165	268798	165

Packaging of blades: unit
On average, in our experience, a blade can make between 50 and 70 cuts.
Other blades can be offered for cutting other materials:

- CERMET for steel (steel, stainless steel, acid-resistant steel), copper, plastics
- ALU for aluminum

[Please consult us](#)

THE CUTTING SUPPORTS

PamCut 220 ECC and 360 ECC machines are delivered with roller cutting supports.

Spare supports are available:

SINGLE SUPPORT (X2)		267484
DOUBLE SUPPORT		282982

BLADES / SUPPORTS / KITS

REPAIR KITS

For each machine, the following kits are available:

- > On/off, locking/unlocking button kit
- > Blade housing kit
- > Clamping device kit
- > Engine block kit
- > Laser kit (laser pointer, laser button)
- > Handle kit



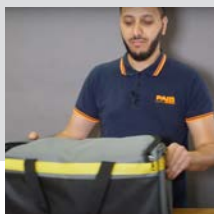
PAM ASSISTANCE

For any questions about your machine, contact the technical sales manager from your local PAM agency (contact details on back).

TUTORIALS

SCAN QR CODES TO
ACCESS THE TUTORIALS

PACKAGING AND COMPONENTS



PAMCUT 220 ECC & 360 ECC



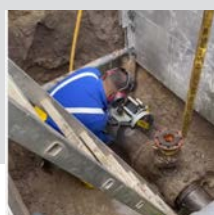
PAMCUT 360 ECC

MAINTENANCE AND ADJUSTMENTS

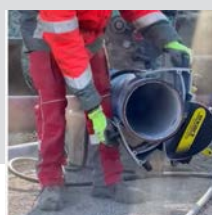


COMPONENTS AND DEPTH ADJUSTMENT
CHAMFER AND PERPENDICULARITY

PAMCUT AIR 360 PCC (PNEUMATIC MACHINE)



CUT OF A LEAKING PIPE IN THE
TRENCH



CUT OF A PIPE IN THE TRENCH



CUT IN A BLENDED TRENCH

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