FLEXIBILITY, QUALITY AND CRAFTSMANSHIP

Spring machines have been a fixed and important part of our product range since our early days. Although we developed them in-house, until 2020, their manufacture was contracted out. In 2020, Rioned moved production of the spring machines back to its own factory in Tilburg, bringing their development and production in-house. A dedicated workshop has been set up for their manufacture, where a team of skilled and experienced mechanics assembles and tests the spring machines.

We are speaking with Matthijs, a springmaker at Rioned. "I am proud of our springs. What makes our springs unique is the blue RioCore core. This core of steel wire with plastic makes the springs both flexible and resilient. They are difficult to make, but after several years of making springs, I have the knack." Matthijs says with a laugh.



Matthijs Cuvelier works with the springs every day.



Mechanical Cleaning

Rioned supplies manual spring machines, in addition to electrical drum and suitcase machines, for professional cleaning of drain and sewers from ø 32 mm up to ø 250 mm. Rioned springs are equipped with the RioCore blue inner core. The core of steel wire with a plastic outer sleeve provides stability to improve the cleaning power and durability of the spring.

32 – 75 mm

6 – 8 – 10 mm

7,5 - 10 m

6 kg

MECHANICAL CLEANING

SPRING MACHINES

HANDMATIC, FLEXMATIC+, ALLROUND+ AND MASTER

The drum machine's automatic spring feed unit provides an easy-to-use solution for all drain and sewer cleaning problems. Rioned drum machines have a closed drum to protect floors and walls from water and dirt while working. Rioned spring machines are lightweight due to the use of aluminum and plastics. The compact construction and low weight make Rioned spring machines easy to transport and manoeuvre in restricted areas. The powerful electric motor allows suitcase models to be used to clean standpipes and larger diameter drains up to 60 metres in length.

HANDMATIC

The HandMatic is an electric spring machine, which can be used for the professional cleaning of drains with a diameter up to 75 mm. The HandMatic is available with a (cordless) drill. An attachment HandMatic is also available. This is suitable for any type of drill with two directions of rotation.

The spring is able to clean the entire length of the drain and can easily negotiate bends and siphons. The automatic spring transporter with infinitely variable speed regulation feeds the spring in and out of the drum. The springs are fitted with a fixed drill head.



Now also available with cordless drill



Carrying case for the HandMatic and accessories





FLEXMATIC+

The FlexMatic+ is the ideal spring machine for professional cleaning of drains and sewers between 32 - 75 mm diameter. The lightweight and compact design, in addition to the flexible adapter hose, makes it easy to handle and manoeuvre in narrow spaces. The automatic spring feed unit has large roller bearings for long term use. It is easy to operate by pushing the handle forward and back to drive the spring in and out of the drain. The spring rotates in neutral position. The flexible adapter hose is ideal for narrow spaces. The air-activated foot switch turns the machine on and off which leaves both hands free for working. The springs have coiled bulbous heads. The 10 mm springs have the unique Rioned square coupling system, allowing different kinds of tools to be used.

32 – 75 mm

6 – 8 – 10 mm

7,5 - 10 - 15 m

12 kg







Convenient automatic spring conveyor

40 – 125 mm

10 - 16 mm

5 - 15 - 20 m

39 kg

ALLROUND+

The Allround+ is a real wizard. It is very compact and easy to transport. The large wheels make easy work of all types of stairs. Suitable for larger cleaning jobs, the Allround+ with its powerful electric motor provides a solution for sewers and pipework of 40 - 125 mm diameter. To deal with stubborn blockages in larger pipes, the springs are supplied with square couplings in order to connect a wide range of accessories for all different kinds of blockages.

The Allround+ has a closed drum made from synthetic material which ensures a safe working environment and a clean working area. The drum can be changed or removed in minimal time and can be carried separately. The newly-redesigned automatic spring feed unit allows the spring to feed in and out of the drain with one movement. The Allround+ has an integrated tool case with five standard accessories. An extensive accessories kit is optionally available, including a special tulip cutter, chain flails, cutting knives and drilling heads to name a few. In the UK, the Allround+ is supplied with foot switch.





MASTER

The Master is a larger version of the Allround+. All obstinate blockages such as roots, urine, stone and chalk can be cleared with this machine. The Master will clean drains and sewers from 70 - 250 mm.

The spring is protected by an aluminum drum which ensures a clean working area. With two extra spring drums you can work with a maximum length of 60 metres with a 20 mm spring.

The Master comes with six standard accessories and tools supplied in a metal case which can be transported in the special support. An extensive accessories kit with special cleaning heads is also available.

The Master is safe and user friendly. It is very easy to transport, compact in design and has an adjustable hand grip.

70 - 250 mm

16 - 20 mm

20 m

71 kg





32 - 160 mm

8 - 10 - 16 - 22 mm

60 m

25 kg



Supplied with an adaptor drum suitable for 8 and 10 mm springs



Never lose the decoupling pin again



Store the power cable safely



Spring baskets and accessories can be transported separately

MECHANICAL CLEANING

SECTIONAL MACHINES

VICTOR

More powerful, more compact, and more flexible! The new Victor Light and Premium outperform their predecessors with various useful features that make unclogging jobs even easier. We succeeded in adding new and innovative features to the product by carefully listening to users of the Victor.

THE BEST OF BOTH WORLDS IN ONE MACHINE

The best of the traditional Victor and Mini Victor models has been retained and merged into a new, improved design. This makes the machine suitable for stubborn blockages and long pipes. The motor is a silent electric motor with a two-way switch (L-R). The spring machine is suitable for down pipes, sewers and drains with a diameter of 32 mm to 160 mm over a maximum length of 60 metres. By using an adapter drum, springs of 8 or 10 mm can be used. The Victor is suitable for segment springs of 16 mm (in lengths of 2 metres) or 22 mm (in lengths of 4 metres).

WORKING SAFELY

With the Victor you work safely. For example, there is a plug with earth leakage protection and two protective covers that protect the user frominjury caused by coming into contact with electronic parts. The machine has a very stable frame with shock absorbers to reduce vibrations. The cord is stored securely on the two dedicated hooks.

EASE OF USE

The Victor Premium is equipped with a lever mechanism. Because of this, the user only has to press the handle gently to operate the spring, which is very practical if you are using the machine for a longer period of time or over a longer distance! Cleaning the bearings has become much easier, due to the use of seals and low maintenance bearings. Dirt and moisture don't stand a chance. A release pin for the springs is stored in a fixed place in the frame so you don't have to look for it.

The Victor is a very robust machine, very easy to maintain, multifunctional and safe for the user.



- Unprecedentedly powerful and silent machine
- Suitable for stand pipes and pipes up to 60 metres
- Light operation thanks to lever mechanism
- With adapter drum also suitable for 8 and 10 mm springs



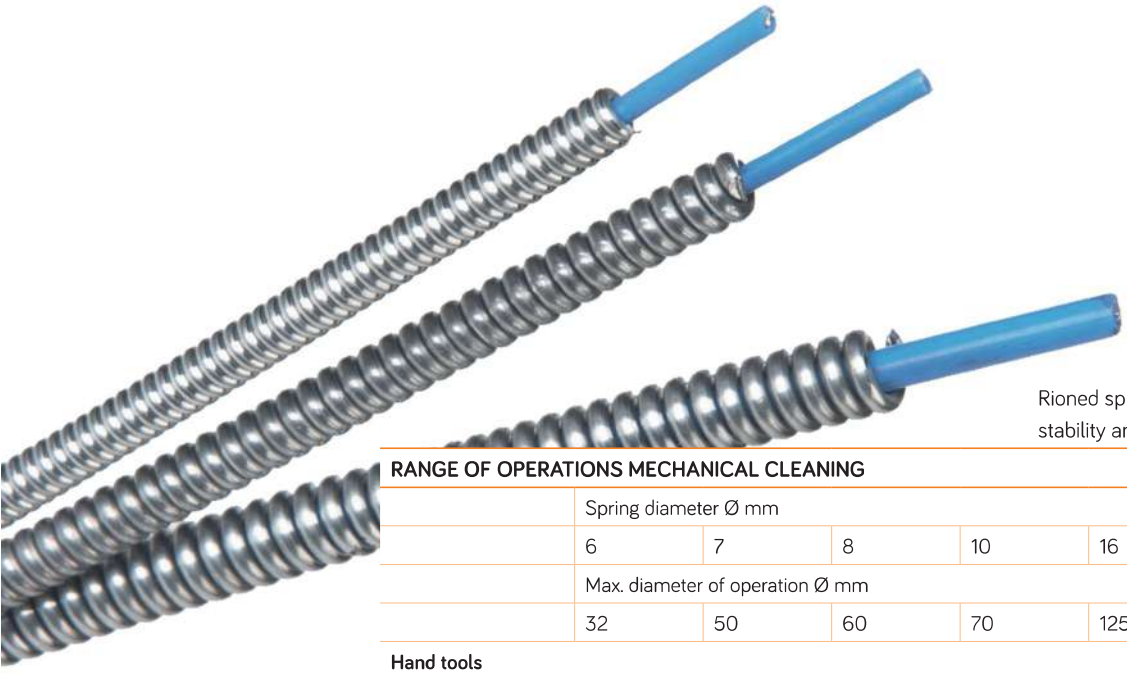
TECHNICAL SPECIFICATIONS

	Victor Light	Victor Premium
Motor	0,45 kW	0,75 kW
Ø Drain/Sewer	32 – 160 mm	32 – 160 mm
Ø Spring	8 - 10 - 16 - 22 mm (8 - 10 mm with adapter drum)	8 - 10 - 16 - 22 mm (8 - 10 mm with adapter drum)
Spring length	40 metres	60 metres

MECHANICAL CLEANING

WHICH SPRING DO YOU NEED?

Rioned supply a complete range of springs for every machine, from 6 mm springs up to 22 mm sectional springs for tough jobs. Springs larger than 10mm can also be supplied with a fixed bulbous head or with an easy coupling system to attach accessories. Our drum model springs have a steel inner core with plastic outer for more cleaning power and extra durability. Our suitcase models use open wound sectional springs in 2 or 4 meter lengths.



Rioned springs have a RioCore inner for extra stability and maximum flexibility.

RANGE OF OPERATIONS MECHANICAL CLEANING

	Spring diameter Ø mm						
	6	7	8	10	16	20	22
	Max. diameter of operation Ø mm						
	32	50	60	70	125	160	250
Hand tools							
Type D	32-50 mm						
HandMatic	32-75 mm						
Spring machines							
FlexMatic+	32-75 mm						
AllRound+		40-125 mm					
Master				70-250 mm			
Sectional machines							
Victor	32-160 mm						

SPRING MACHINE APPLICATION TOOLS

	Blockage				
	soap/hair	clothes	wortels	reiniging	urine stone/ chalk
1 Standard bulbous head	••	•		••	
2 Straight drilling head		•		••	
3 Funnel head		••			
4 Cutting knife	••		••	•	••
5 4 or 6 blade drilling head	••		•	••	••
6 Retrieving hook		••			
7 Diamond shaped head	••		•	••	••
8 Chain head	•			••	•
9 Root cutter			••		
10 Tulip cutter	••			•	••

• Possible solution •• Best solution



1 BULBOUS HEADS
For light cleaning in curved pipes.



5 4 AND 6 BLADE DRILLS
To mill overgrown pipes.



9 ROOT CUTTERS
To saw tree roots.



2 STRAIGHT DRILLING HEADS
Tool to determine right accessory for the job.



6 RETRIEVING HOOKS
To remove obstacles from pipes such as cloths, napkins etc.



10 TULIP CUTTER
Ideal for removing hardened grease and rust in pipes.



3 FUNNEL HEADS
For long, curved pipes.



7 DIAMOND-SHAPED HEADS
For pipes tarnished with chalk or urine stones.



11 REPAIR AND QUICK COUPLINGS
To connect springs or to repair broken springs.



4 CUTTING KNIVES
To mill large pipes, where the blade diameter can be chosen to suit the pipe to be cleaned.



8 CHAIN HEADS
To clean steel and iron pipes.