

JOINT CUTTER

OVERVIEW

You will come across joint cutters made by CEDIMA in road and highway construction or in the restoration of industrial floors. They are essential for cutting floors and ceilings made of concrete or asphalt by means of diamond saw blades.

A wide range of different types of machines and motors ensure the best possible technical equipment for any kind of cutting operation. Joint cutters are driven either by powerful petrol, diesel or electric motors.

CEDIMA is always working to optimize and expand the technical performance of joint cutters in order to guarantee the operator comfortable working with excellent results. Therefore our qualified staff check and control constantly the cutting performance on our test course.

Joint cutter	Motor output from ... to -kW-	Max. cutting depth from ... to -mm-	Max. blade-Ø from ... to -mm-	Page
Small series	7,3 - 8,7	170 - 200	450 - 500	47
Medium series	10,3 - 41,0	170 - 380	450 - 1000	48 - 51
Fully hydraulic series	55,0 - 82,0	480 - 630	1200 - 1500	52 - 53
Electric series	7,5 - 22,0	170 - 500	450 - 1200	54 - 55
Microtrenching	55,0 - 82,0	--	--	56 - 58



JOINT CUTTER

SMALL SERIES

Small joint cutters for easy tasks in road construction, gardening and landscaping - ideal for rental business

Technical data		CF-13.3 B
Max. cutting depth	mm	170
Blade-Ø	mm	300 - 450
Bore hole of blade	mm	25,4
Blade mounting		right or left
Max. mounting width	mm	13
Max. motor output	kW / PS	8,7 / 11,8
Motor output (net)	kW	8,7*
Motor type		Honda GX-390 (petrol)
Motor starter		reversing start
Cutting depth adjustment		hand wheel
Feed		manual
Contents water tank	l	23
Dimensions L/W/H (transport)	mm	820/520/870 mm (T)
Weight	kg	104

* according to operating instructions motor

Order no. 50008154

CF-13.3 B



- Optimized blade guard for maximum saw blade Ø 450 mm
- Adjustable cutting depth indicator
- Quick, easy change of cutting side

Technical data		CF-1020.1 B
Max. cutting depth	mm	200
Blade-Ø	mm	350 - 500
Bore hole of blade	mm	25,4
Blade mounting		right or left
Max. mounting width	mm	20
Max. motor output	kW / PS	8,7 / 11,8
Motor output (net)	kW	8,7*
Motor type		Honda GX-390 (petrol)
Motor starter		reversing start
Cutting depth adjustment		hand wheel
Feed		manual
Contents water tank	l	22
Dimensions L/W/H (transport)	mm	1290/570/1050 (T)
Weight	kg	121

* according to operating instructions motor

Order no. 50008501

CF-1020.1 B



- Optimized blade guard for better water flow and less adhesion of cutting slurries
- Precise cutting depth adjustment by large handwheel
- Quick, easy change of cutting side
- Water supply via water tank or external pressurised water connection possible
- High steadiness, large wheels

Technical data		CF-1020.1 D
Max. cutting depth	mm	200
Blade-Ø	mm	350 - 500
Bore hole of blade	mm	25,4
Blade mounting		right or left
Max. mounting width	mm	20
Max. motor output	kW / PS	7,3 / 9,9
Motor output (net)	kW	7,3*
Motor type diesel		Hatz 1 B40U-6
Motor starter		reversing start
Cutting depth adjustment		hand wheel
Feed		manual
Contents water tank	l	22 l
Dimensions L/W/H (transport)	mm	1260/570/1050 (T)
Weight	kg	117

* according to operating instructions motor

Order no. 50008502

CF-1020.1 D



- Optimized blade guard for better water flow and less adhesion of cutting slurries
- Precise cutting depth adjustment by large handwheel
- Quick, easy change of cutting side
- Water supply via water tank or external pressurised water connection possible
- High steadiness, large wheels

JOINT CUTTER

MEDIUM SERIES

Self-propelled joint cutters in the medium range

CF-2015 B

Order no. 3000049



Technical data		CF-2015 B
Max. cutting depth	mm	240
Blade-Ø	mm	400 - 650
Bore hole of blade	mm	25,4
Blade mounting		right or left
Max. mounting width	mm	20
Max. motor output	kW / PS	15,5 / 21
Motor output (net)	kW	15,5*
Motor type petrol		Honda GX-630
Motor starter		electric starter
Cutting depth adjustment		hand crank
Feed		hydrostatic
Contents water tank	l	35
Dimensions L/W/H (transport)	mm	1300/750/1050
Weight	kg	280

* according to operating instructions motor

- Constant feed due to hydrostatic travel drive
- Height adjustable handles
- Water supply via cutting shaft
- Large water tank
- Adjustable cutting depth indicator
- Saw blade lift via crank handle
- Mounting of saw blade possible on the right or left side

Accessories CF-2015 B - green concrete conversion kit

Description	Order no.
Green concrete conversion kit for CF-2015 B, max. cutting depth 100 mm, blade-Ø 400 mm	30000110

CF-2011 DE

Order no. 3000050



Technical data		CF-2011 DE
Max. cutting depth	mm	240
Blade-Ø	mm	400 - 650
Bore hole of blade	mm	25,4
Blade mounting		right or left
Max. mounting width	mm	20
Max. motor output	kW / PS	10,1 / 13,7
Motor output (net)	kW	10,1*
Motor type diesel		Hatz 1D81
Motor starter		electric starter
Cutting depth adjustment		hand crank
Feed		hydrostatic
Contents water tank	l	35
Dimensions L/W/H (transport)	mm	1300/750/1050
Weight	kg	330

* according to operating instructions motor

- Constant feed due to hydrostatic travel drive
- Height adjustable handles
- Water supply via cutting shaft
- Large water tank
- Adjustable cutting depth indicator
- Saw blade lift via crank handle
- Mounting of saw blade possible on the right or left side

Accessories CF-2011 DE - green concrete conversion kit

Description	Order no.
Green concrete conversion kit for CF-2011 DE, max. cutting depth 100 mm, blade-Ø 400 mm	30000110

JOINT CUTTER

MEDIUM SERIES

Medium-size joint cutters suitable for cutting in narrow building sites or areas difficult to access up to heavy-duty use on building sites with high daily output

Technical data		CF-2116 D
Max. cutting depth	mm	300
Blade-Ø	mm	600 - 800
Bore hole of blade	mm	25,4
Blade mounting		right or left
Max. mounting width	mm	20
Max. motor output	kW / PS	15,5 / 21
Motor output (net)	kW	14,7*
Motor type diesel		Hatz 2G40
Motor starter		electric starter
Cutting depth adjustment		electro-hydraulic
Feed		hydrostatic
Contents water tank	l	35
Dimensions L/W/H (transport)	mm	1300 / 1000 / 1150
Weight	kg	340

* according to operating instructions motor

- Hydrostatic travel drive
- Large water tank
- Adjustable cutting depth indicator
- Hinged blade guard
- Electro-hydraulic lifting of saw blade
- Mounting of saw blade possible on the right or left side

Order no. 30000051

CF-2116 D



Accessories CF-2116 D - green concrete conversion kit

Description	Order no.
Green concrete conversion kit for CF-2116 D, max. cutting depth 100 mm, blade-Ø 400 mm	30000053

Technical data		CF-1010 T
Max. cutting depth	mm	110
Blade-Ø	mm	350
Bore hole of blade	mm	25,4
Blade mounting		right or left
Max. mounting width	mm	20
Max. motor output	kW / PS	15,5 / 21
Motor output (net)	kW	15,5*
Motor type petrol		Honda GX-630
Motor starter		electric starter
Cutting depth adjustment		electro-hydraulic
Feed		hydraulic
Dimensions L/W/H (transport)	mm	1510/750/1650
Weight	kg	510

* according to operating instructions motor

- Integrated cutting depth measurement
- Cutting depth indication in the digital display
- Uniform feed through hydrostatic drive
- Integrated suction unit with 2 cyclone separators
- No cutting slurries - Fast construction completion
- Height-adjustable handles

Order no. 50011688

CF-1010 T



JOINT CUTTER

SURFACE MILLING MACHINE

Powerful milling machine for the production of grooved profiles in concrete surfaces or hall floors

CF-246

Order no. 50013242



Technical data		CF-246 D
Max. milling depth	mm	10
Blade-Ø	mm	300
Bore hole of blade	mm	60 + 3-hole
Max. milling width	mm	400
Speed of milling shaft	min ⁻¹	3000
Max. motor output	kW / PS	14,7 / 20
Motor output (net)*	kW	14,7*
Motor type		Kohler Diesel
Motor starter		electric starter
Cutting depth adjustment		electro-hydraulic
Feed		hydraulic
Dimensions L/W/H (transport)	mm	1447 / 1014 / 1229
Weight	kg	1000

*according to operating instructions motor

Application

After several years surfaces and slatted floors can be worn out. This results in a danger of slipping for the animals by:

- unsteady gait and lameness caused by slipping
- reduced intake of food
- difficult heat identification
- longer period of time between calving and
- overgrown hooves

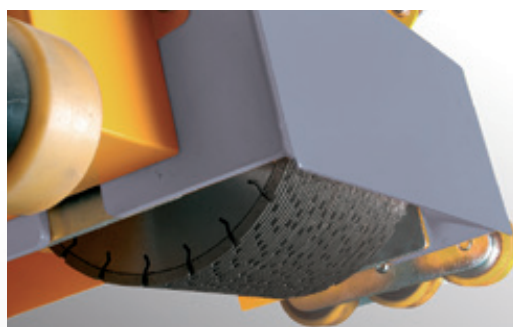
The surface milling machine CF-245 is a special machine for milling grooved profiles in concrete surfaces with diamond saw blades arranged in parallel. By using the surface milling machine the step proofness of slotted floors and solid floors can be recovered.

The milling depth is firmly adjusted by means of 2 height-adjustable and lockable blocks of support rolls that are lowered and lifted with the milling shaft. The arrangement of the rolls directly next to the milling shaft guarantees a constant milling depth also on uneven surfaces.

- no material fractures and thus
- no sharp-edged splinters
- long durability
- high area output in within a very short time
- lower costs with higher daily output due to a milling width of 400 mm

Features

- hydrostatic feed
- milling shaft with precise high-performance bearings
- firm milling depth adjustment with rollers for a constant milling depth
- large, moulded drive wheels
- finely adjustable electro-hydraulic lifting and lowering of the machine via balance
- fine-tuned lowering via manual needle valve
- connection for water supplied under pressure with GEKA-connection and shut-off valve
- cooling of diamond saw blades via several water nozzles arranged in parallel to the milling shaft
- operating hour metre



Fully fitted milling shaft



Grooved profiles in concrete surfaces

JOINT CUTTER

MEDIUM SERIES

Medium-size joint cutters with latest **exhaust emission standard stage 5** suitable for cutting in narrow building sites or areas difficult to access up to heavy-duty use on building sites with high daily output

Technical data		CF-4030 D / B
Max. cutting depth	mm	210 - 410
Blade-Ø	mm	600 - 1000
Speed of cutting shaft		variabel
Bore hole of blade	mm	35 + 6-hole
Blade mounting		right or left
Max. mounting width	mm	20
Max. motor output D [B]	kW / PS	41 / 55,8 [57 / 77,5]
Motor output (net)* D / B	kW	41* / 45 (2500 min ⁻¹)
Motor type diesel		Doosan D18
Motor type petrol		Ford MSG 425
Motor starter		electric starter
Cutting depth adjustment		electro-hydraulic
Feed		hydraulic
Dimensions L/W/H (transport)	mm	1625 / 1275 / 1295
Weight	kg	980

* according to operating instructions motor

Delivery inclusive:

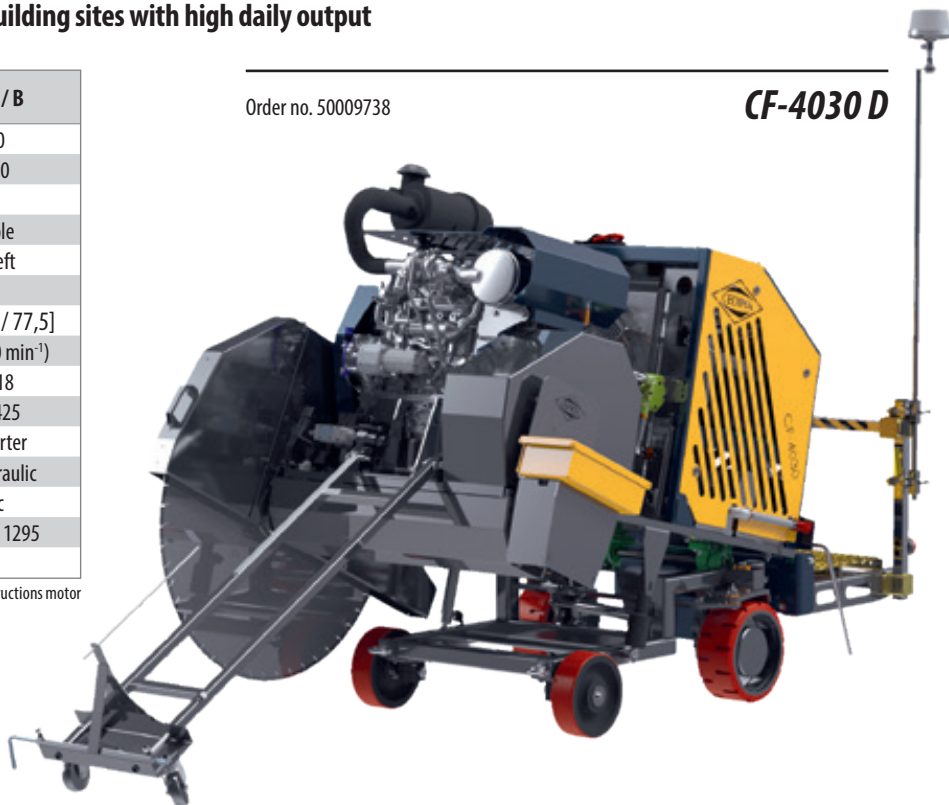
- Blade guard 1000 mm
- Water pump
- Latest exhaust emission standard stage 5
- Telescopic visor
- Cutting shaft set for Ø 600 - 1000 mm
- Electrical cutting depth measurement
- Hydraulic steering
- Fail-safe parking brake

Accessories CF-4030 Series

Description	Order no.
Foodboard and adjustable seat	50003273
Suction plant type 5.5 for CF-4030 series	50011964
Suction blade guard for saw blade-Ø 600 mm	50011690
Suction plant for joint cutter series CF-4030	50011405
Green concrete conversion kit CF-4030 D/B	50010840

Order no. 50009738

CF-4030 D



Order no. on request

CF-4030 B



CF-4030 with suction plant



JOINT CUTTER

FULLY HYDRAULIC SERIES

For long and extensive cutting work in concrete or asphalt with high efficiency

CF-6022

Order no. 50010324



Technical data		CF-6022
Max. cutting depth	mm	480
Blade-Ø	mm	300 - 1200
Bevel cut		stepless to 20 degrees
Speed of cutting shaft	min ⁻¹	930 - 2800
Bore hole of blade	mm	35 + 6-hole
Blade mounting		right or left
Max. mounting width	mm	13
Max. motor output	kW / PS	55,4 / 75,3
Motor output (net)*	kW	55,4* / 2800 min ⁻¹
Motor type diesel		Hatz 4H50TIC
Motor starter		electric starter
Cutting depth adjustment		electro-hydraulic
Feed		hydraulisch
Dimensions L/W/H (transport)	mm	2900 / 950 / 1840
Weight	kg	ca. 1400

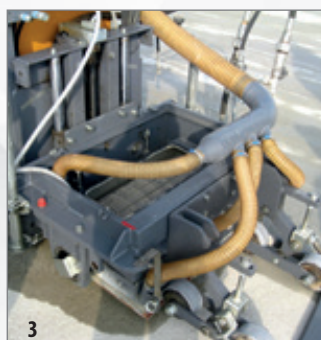
* according to operating instructions motor

- Stage V (EU) / TIER 4 (Final) Common-Rail Diesel
- Incl. blade guard 1200 mm
- Fully hydraulic drive of all working functions
- Mounting of saw blade possible on right or left side
- Infinitely variable cutting shaft speed
- Standard auxiliary hydraulics for driving an suction plant

Accessories CF-6022



Pos.	Description	Order no.
--	Suction blade guard for milling/ grooving attachment	30000003
--	Suction blade guard for saw blade-Ø 1000 mm	30000014
--	Suction blade guard for saw blade-Ø 1200 mm	30000015
--	Set of lamps, 2 headlamps	30000021
--	Warning beacon	30001166
1	Longitudinal attachment LS-2	30001059
2	Green concrete attachment	50005167
3	Milling/ grooving attachment	50012117
4	Suction plant type 6.2 hydraulic	50009742
5	Core drilling machine attachment	30000010



Similar pictures!

JOINT CUTTER

FULLY HYDRAULIC SERIES

Premium joint cutter for heavy-duty use in construction with high daily output

- Stage IV (EU) und EPA TIER 4 final (USA)
- Fully hydraulic all-wheel drive
- Blade diameter up to 1500 mm
- Fully hydraulic drive of all working functions
- Mounting of saw blade possible on right or left side
- Infinitely variable cutting shaft speed
- Standard auxiliary hydraulics for driving a suction plant
- A lot of assembly kits and accessories

Order no. 50011692

CF-6030 97 kW

NEU



Accessories CF-6030

Pos.	Description	Order no.
--	Suction blade guard for milling/ grooving attachment	30000003
--	Normal blade guard for saw blade-Ø 1.200 mm	50009620
--	Normal blade guard for saw blade-Ø 1.500 mm	50012027
--	Suction blade guard for saw blade-Ø 600 mm	50011699
--	Suction blade guard for saw blade-Ø 1.000 mm	50011544
--	Suction blade guard for saw blade-Ø 1.200 mm	50011543
--	LED work light with magnetic holder	50001784
--	Warning beacon	30001166
1	Longitudinal attachment LS-2	50012065
2	Green concrete attachment	50010980
3	Milling/ grooving attachment 1.1	50012066
4	Suction plant type 6.3 hydraulic	50009742
5	Core drilling machine attachment	30000010

Technical data		CF-6030
Max. cutting depth	mm	630
Blade-Ø	mm	300 - 1500
Bevel cut		stepless to 20 degrees
Speed of cutting shaft	min ⁻¹	600 - 2800
Bore hole of blade	mm	35 + 6-hole
Blade mounting		right or left
Max. mounting width	mm	13
Max. motor output		97 / 132
Motor output (net)*	kW	97*
Motor type diesel		Doosan D34
Motor starter		electric starter
Cutting depth adjustment		electro-hydraulic
Feed		hydraulisch
Dimensions L/W/H (transport)	mm	3515 / 1320 / 1840
Weight	kg	ca. 2100

* according to operating instructions motor

JOINT CUTTER

ELECTRIC SERIES

For cutting tasks in enclosed spaces in which machines with internal combustion engines may not be used due to exhaust and/or noise protection regulations.

CF-13.2 E

Order no. 50004465



Technical data		CF-13.2 E
Max. cutting depth	mm	95 - 170
Blade-Ø	mm	300 - 450
Bore hole of blade	mm	25,4
Blade mounting		right or left
Max. mounting width	mm	15
Motor output	kW	7,5
Voltage	V / Hz	400 V / 50 Hz
Amperage	A	16
Cutting depth adjustment		hand wheel
Feed		manual
Dimensions L/W/H (transport)	mm	820 / 520 / 870
Weight	kg	106

- saw blade mounting right or left
- adjustable cutting depth indicator and locking brake
- extendable handle for relocating the machine manually

CF-22 E

Order no. 30000055



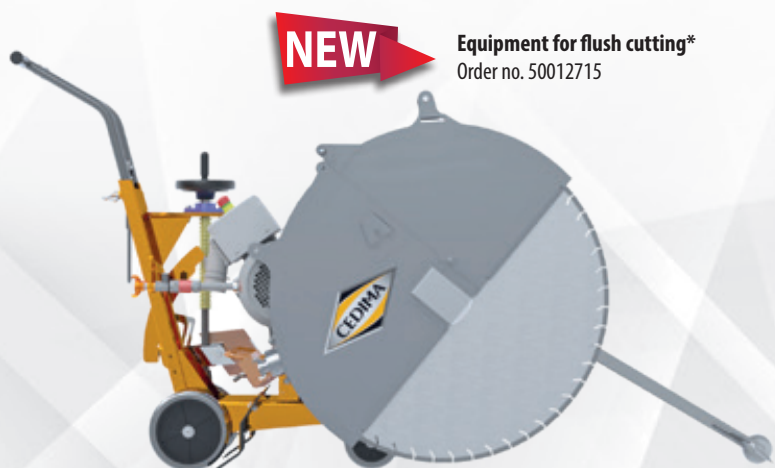
NEW Equipment for flush cutting*
Order no. 50012982

Technical data		CF-22 E
Max. cutting depth	mm	145 - 270
Blade-Ø	mm	450 - 700
Bore hole of blade	mm	25,4
Blade mounting		right or left
Max. mounting width	mm	6
Motor output	kW	7,5
Voltage	V / Hz	400 V / 50
Amperage	A	16
Cutting depth adjustment		hand wheel
Feed		manual
Dimensions L/W/H (transport)	mm	1350 / 660 / 930
Weight	kg	110

- modular constructions in 3 parts for easy transport
- max. blade-Ø 700 mm

CF-22 E 800

Order no. 50008123



NEW Equipment for flush cutting*
Order no. 50012715

Technical data		CF-22 E 800
Max. cutting depth	mm	170 - 320
Blade-Ø	mm	500 - 800
Bore hole of blade	mm	25,4
Blade mounting		right or left
Max. mounting width	mm	10
Motor output	kW	7,5
Voltage	V / Hz	400 V / 50
Amperage	A	16
Cutting depth adjustment		hand wheel
Feed		manual
Dimensions L/W/H (transport)	mm	1420 / 650 / 1025
Weight	kg	126

- modular constructions in 3 parts for easy transport
- optimized blade guard for maximum saw blade Ø 800 mm
- including cutting depth indicator

JOINT CUTTER

ELECTRIC SERIES

For cutting tasks in enclosed spaces in which machines with internal combustion engines may not be used due to exhaust and/or noise protection regulations.

Technical data		CF-2015 E
Max. cutting depth	mm	200 - 350
Blade-Ø	mm	600 - 900
Bore hole of blade	mm	25,4
Blade mounting		right or left
Max. mounting width	mm	20
Motor output	kW	15
Voltage	V / Hz	400 V / 50
Amperage	A	32
Cutting depth adjustment		electro-hydraulic
Feed		hydrostatic
Dimensions L/W/H (transport)	mm	1700 / 750 / 1050
Weight	kg	342

- hinged blade guard for cuts directly to the wall and edges
- economic supply of cooling water via blade flanges
- saw blade mounting right or left

Order no. 30000052

CF-2015 E



Technical data		CF-50.2 E
Max. cutting depth	mm	300 - 500
Blade-Ø	mm	800 - 1200
Bore hole of blade	mm	35
Blade mounting		rechts oder links
Max. mounting width	mm	5
Motor output	kW	15 / 22 switchable
Voltage	V / Hz	400 V / 50
Amperage	A	32 / 63 switchable
Cutting depth adjustment		electro-hydraulic
Feed		hydrostatic
Dimensions L/W/H (transport)	mm	1550 / 940 / 1200
Weight	kg	580

- hinged blade guard for cuts directly to the wall and edges
- supply of cooling water via blade guard
- saw blade mounting right or left
- scope of delivery: 2 blade guards (Ø 800 and 1200 mm) amperage switchable between 32 and 63 A

Order no. 30000067

CF-50.2 E



JOINT CUTTER

MICROTRENCHING

The cost-effective alternative to conventional civil engineering - glass fibre laying within the framework of day construction sites

Order no. 50011693

NEW

- Stufe V (EU) / TIER 4 (Final) Common-Rail Diesel
- Reachable trench depth up to 330 mm
- Reachable trench width up to 30 mm
- for short and medium distances
- Standard configuration with:
 - - stainless steel tank
 - - lighting kit
 - - 900 mm blade guard
- Further technical data: see CF-6022

Microtrenching

In order to lay cables or fibre optic cables in road surfaces, a narrow trench can be milled in only one working step.

The time-consuming „digging up“ of the road can be omitted.

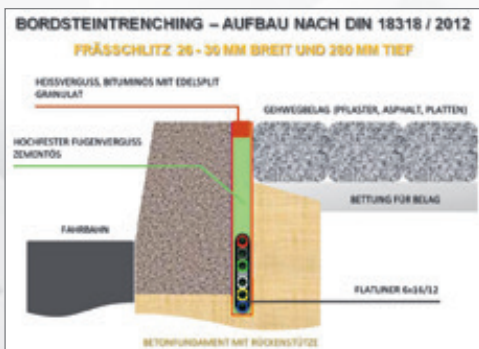
Further information can be found on page 58.



CF-6022 MT curbstone trenching

Order no. 50007628

- Factory assembly only for new orders!



JOINT CUTTER

MICROTRENCHING

The cost-effective alternative to conventional civil engineering - glass fibre laying within the framework of day construction sites

- Stage IV (EU) und EPA TIER 4 final (USA)
- Fully hydraulic all-wheel drive
- Reachable trench depth up to 420 mm
- Reachable trench width up to 30 mm
- For long distances
- 1100 mm microtrenching blade guard
- Microtrenching shaft
- Optionally available:
 - Plastic water tank
 - Lighting set
- Further technical data: see CF-6030

Order no. 50011694

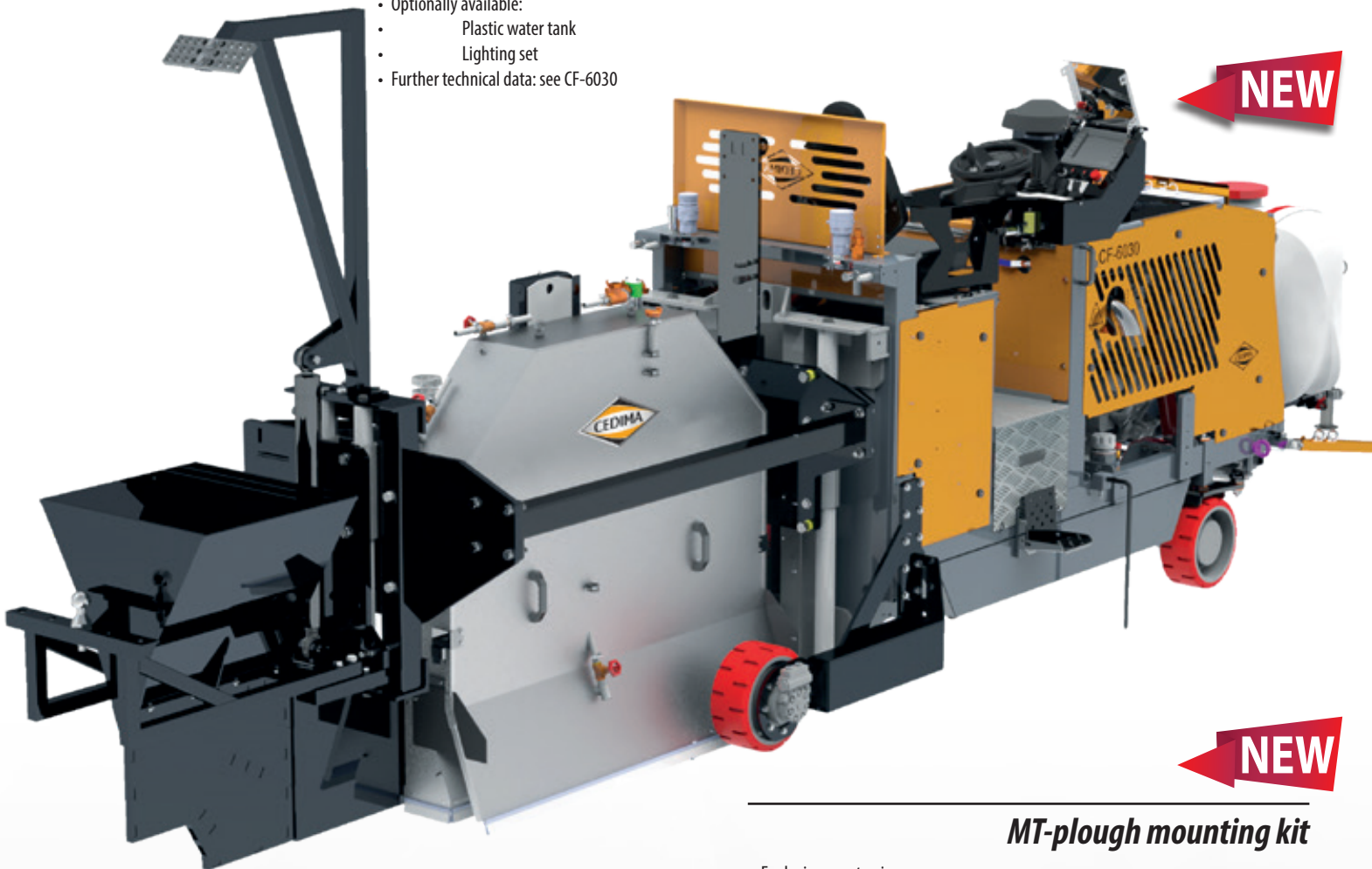
CF-6030 MT 82 kW

Side cut

Order no. 50011695

CF-6030 MT 97 kW

Middle cut



NEW

MT-plough mounting kit

- For laying empty pipes



CEDIMA Microtrenching-tools

- Individual degrees of hardness for different substrates
- Different package thicknesses for all common joint widths
- Blade diameter from 800 - 1000 mm (depending on cutting depth)

JOINT CUTTER

INFO MICROTRENCHING

What is Microtrenching ?

Microtrenching is a cost-effective alternative to conventional civil engineering. During the expansion and modernization of communication networks, trenches are milled in roads or sidewalks in order to lay fiber optic cables. This trench only has the required width and height for the material to be laid. A large-scale opening of the asphalt, which would entail an enormous expenditure of time and money and would be particularly difficult in urban areas, is not required with this variant. The microtrenching process can reduce cable laying costs by up to 75%.

In addition, roads that are otherwise blocked over a long period of time can be quickly reopened. This method avoids the problem of bagging the filling materials when the asphalt is open over a large area. A trench with a maximum width of 30 mm and a maximum depth of 300 mm is cut into the road. Empty pipes are then laid into which glass fibre pipes are blown.



Advantages of Microtrenching

1. No torn cutting edges due to diamond saw blades

In contrast to trench cutters, where the surface is milled with carbide bits, the joint cutter uses diamond saw blades. This is an advantage, as the carbide chisel process often results in torn cutting edges. This effect is significantly reduced by the „grinding process“ of the diamond saw blades.

2. Trench widths can be adjusted individually

In CEDIMA microtrenching, several saw blades are placed next to each other until the desired trench width is achieved. Depending on the requirements, the widths can vary and it is possible to lay different types of cables at the same time.



Would you like to see

CEDIMA-Microtrenching in action?

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