

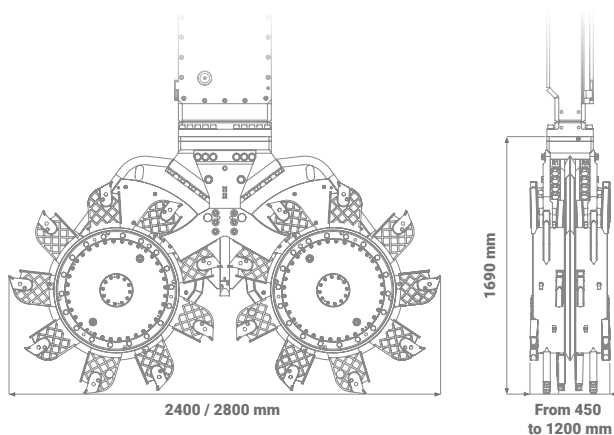


Tec system

CSM

CUTTER SOIL MIXING

The Cutter Soil Mixing developed by **TEC SYSTEM** is the unique and patented tool allowing multi-carrier installation. It is very versatile both in terms of the number of possible assemblies and its technical capabilities.

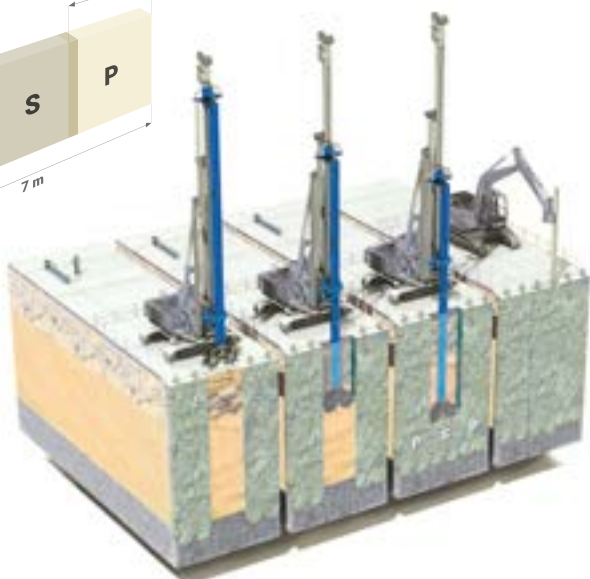
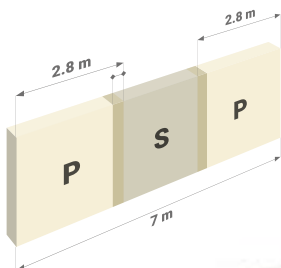


#### CSM KEY POINTS

- Wet mixing only • Based on Hydrofraise® Technology
- Mixing energy concentrated on bottom part of tool
- High mixing quality • Very low grout pressures
- No vibrations • Verticality control in real time
- Incorporation of relatively low volumes : less waste

#### CSM CONSTRUCTION SEQUENCE

- Primary / Secondary sequence for walls



#### TECHNICAL SPECIFICATIONS

##### CUTTER SOIL MIXING

Type	CSM
Brand	TEC SYSTEM
Depth achieved (m)	Up to 35m

##### KELLY

The KELLY is composed by a base element combined with general extensions. The combination must comply with carried stroke.

Base KELLY (m)	11
KELLY extension (m)	3 - 4 - 5 - 6 - 7 - 8 - 8,5 - 9 - 10

##### GUIDES SELECTION

Low	Top	Simple Rot.	Standard	Regrip
Fixed		●	●	
Rotating		●	●	
Regrip				●



## PERFORMANCES

### CUTTER HEADS

Types	HT5000	HT7500
Length (mm)	2400/2800	2400/2800
Width (mm)	450/800	500/1200
Maximum pressure (bar)	320	320
Torque (kNm)	50	75
Displacement (l)	10	15
Speed (rpm)	0 to 45*	0 to 30*
Power (kW)	0 to 150*	0 to 170*

\* Depending on carrier capabilities

## CARRIERS

### ADAPTATION ON CARRIERS

Band	Rig	Engine power	Depth / regrip	Max Mix speed HT5000	Max Mix speed HT7500
 <b>casagrande</b>	<b>B200 XP-2</b>	470 kW - 630 hp	19,2 m	31 rpm	21 rpm
	<b>B250 XP-2</b>	336 kW - 456 hp	22,1 m	31 rpm	21 rpm
	<b>B300 XP-2</b>	336 kW - 456 hp	22,8 m	31 rpm	21 rpm
	<b>B360 XP-2</b>	450 kW - 603 hp	23,3 m	40 rpm	27 rpm
	<b>B470 XP-2</b>	563 kW - 754 hp	30 m	40 rpm	27 rpm
	<b>CV22-F</b>	563 kW - 754 hp	21,8 m	40 rpm	27 rpm
<b>ABI</b> EQUIPMENT LTD	<b>TM22 on SR 35T</b>	470 kW - 640 hp	21,5 m	40 rpm	27 rpm
	<b>TM22 on SR 45T</b>	563 kW - 754 hp	21,5 m	45 rpm	30 rpm
	<b>TM26 on SR 45T</b>	563 kW - 754 hp	25,5 m	45 rpm	30 rpm
	<b>SM 18/22 HD on SR 45T</b>	563 kW - 754 hp	21,5 m / 30 m	45 rpm	30 rpm
<b>LIEBHERR</b>	<b>LRB 155</b>	450 kW - 603 hp	21,0 m	35 rpm	23 rpm
	<b>LRB 255</b>	670 kW - 911 hp	21,0 m	40 rpm	26 rpm
	<b>LRB 355.1</b>	600 kW - 816 hp	23 m / 35 m	43 rpm	28 rpm
	<b>LRB 23</b>	600 kW - 816 hp	21,6 m	32 (40) rpm	21 (30) rpm
 <b>FUNDIX EQUIPMENT</b>	<b>F3500</b>	585 kW - 794 hp	35,0 m	40 rpm	27 rpm

# CSM

CUTTER SOIL MIXING



tec system

## Top guide

- ① Simple Rotation
- ② Standard
- ③ Regrip system

## Basic equipment

### Optional

## Kelly head

## Kelly extension

## Base Kelly

## Cutter head

HT5000 or HT7500

## Low guide

- ④ Fixed
- ⑤ Rotating
- ⑥ Regrip system



Injection flow and pressure control



Pressure compensation system

Control, command and data registering (in cab)







## CSM Applications



Deep Soil Mixing



Ground consolidation



Waterproof barrier

## CSM BINDER PLANT

**PH 160 HQ**  
Injection pump

**MR 3000**  
Agitator

**TMD 1200**  
Turbo mixer



## FEATURES

### CSM BINDER PLANT

Capacity	20 m <sup>3</sup> /h
Mixer volume	1 200 l
Agitator volume	3000 l
Pump Capacity/ Maximum pressure	800 l/min @ 25 bar

CSM CUTTER SOIL MIXING





## AFTER-SALES SERVICE

### A responsive service directly on your construction sites

Our technicians support our clients from  
**commissioning to technical support**  
in case of any issue with our equipment.

Our teams are mobile and can **bring their expertise**  
**(hydraulic, mechanical, electrical, electronic)**  
**directly to your construction sites** to address  
project emergencies

Available and responsive, we meet your needs  
**in a timely manner thanks to a dedicated team.**



## SPARE PARTS

To minimize the downtime of your  
machines, TEC System has a large stock  
of spare parts for its entire range of  
equipment.

### Reliable and local suppliers

To offer our clients the best cost/availability balance  
for our spare parts.

### Delivered the day after your order.

We ensure delivery in France the next day before  
1:00 PM for all orders placed before 3:00 PM.

### A high-performing purchasing service

## OUR PROMISE

Delivering high-performance  
machines that are robust, reliable,  
innovative, and versatile,  
enabling you to carry out your  
construction projects with complete  
peace of mind.



**tec system**

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