



HELIOS

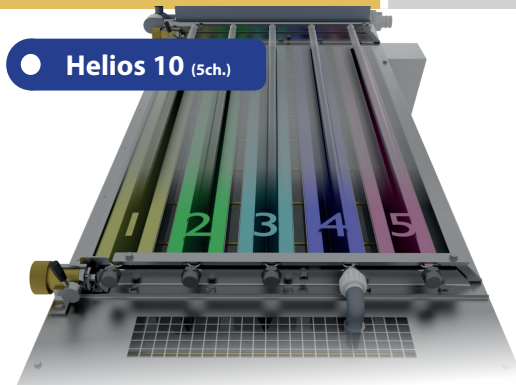
Live fish grader



• Helios 100



• Helios 10



HELIOS 10 - 100 GRADER : for alevin and small fish

1 g - 120 g
5 or 8 channels
4 sizes

HELIOS 10 - 100 is a high precision grader with a huge capacity. It is made to efficiently grade smolts, Sea Bream, Sea Bass, Tilapia...
Light and easy to handle, HELIOS 10 - 100 is adapted to every situation.
It is made to meet the needs of hatchery farms.

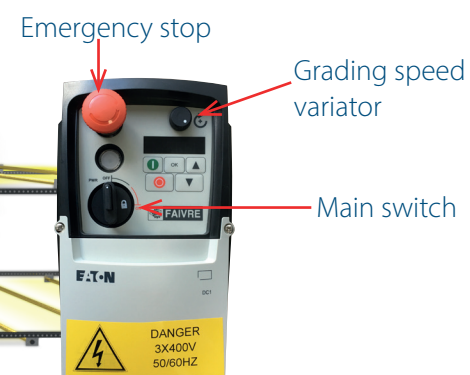
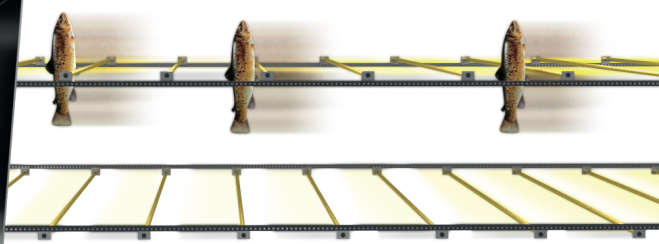
Compact and light graders:

- ✓ 5 or 8 grading channels of 1600mm length.
- ✓ 8 x Ø 125 mm outlets on both side.
- ✓ Made of polyester and AISI 316L/AISI 304L Stainless steel.
- ✓ An elaborate watering system fitted with adjustment gates.
- ✓ A grader fitted with the performing SPS Technology made for a high speed grading and without injury.
- ✓ Electronic adjustable grading speed.

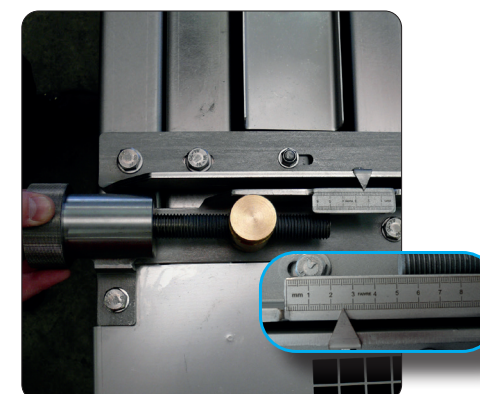
Reception tank for Pescavision :
- Ø 200 mm Ref. : **CBRC200**
- Ø 250 mm Ref. : **CBRC250**



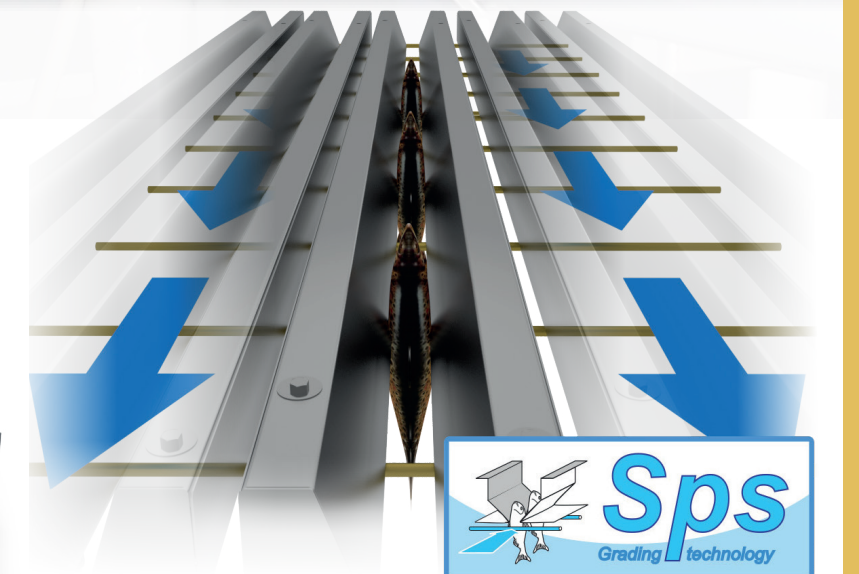
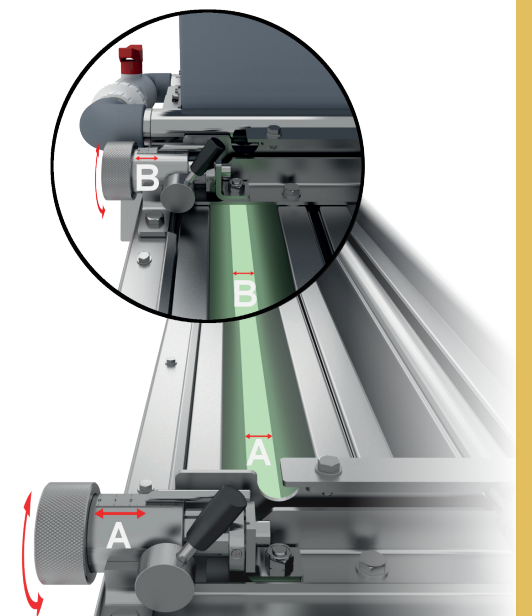
Helios 10 working in Sea Bass hatchery



Fish grader IP 67 electric panel.



Accurate adjustment vernier.



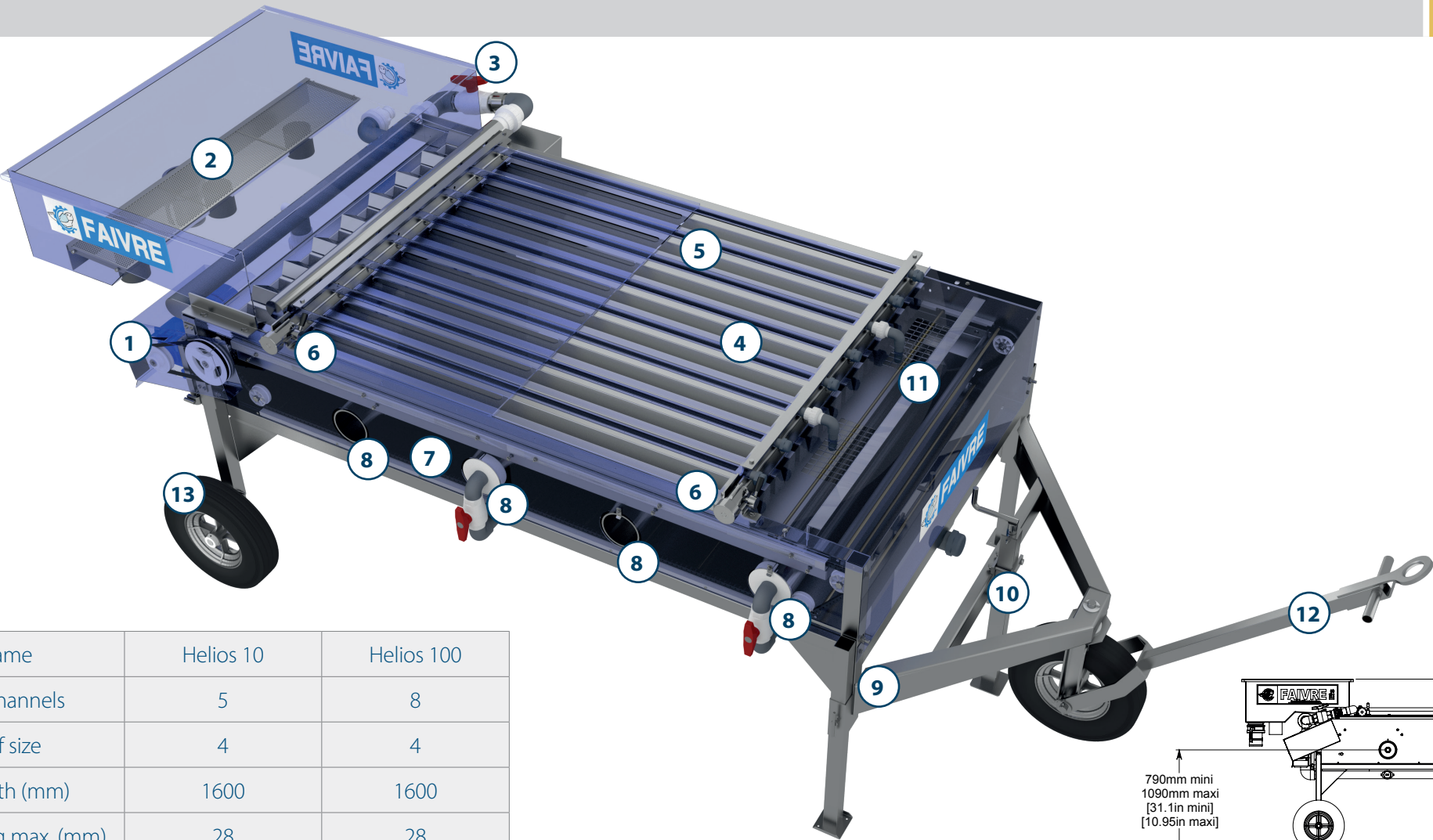
- ① IP 55 geared motor and drive belt
- ② Fish inlet hopper
- ③ Water supply to channels, adjustable with a valve
- ④ Grading plane
- ⑤ Water ramp into each channel for watering fish
- ⑥ Channel adjustment vernier (x2)
- ⑦ Receiving hoppers
- ⑧ Fish outlets
- ⑨ AISI 316L Stainless steel frame
- ⑩ Front lifting jack
- ⑪ Fish conveying fingers
- ⑫ Towbar
- ⑬ Inflatable tires Ø 400 mm (16in)

Specifications

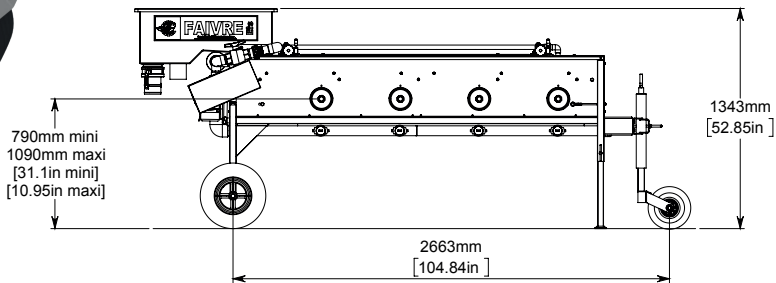
Grader name	Helios 10	Helios 100
Number of channels	5	8
Number of size	4	4
Channel length (mm)	1600	1600
Channels opening max. (mm)	28	28
Number of outlets	8 x 125 mm	8 x 125 mm
Weight min. - max. Trout/Salmon	1 g - 120 g	1 g - 120 g
Weight min. - max. Bass/Bream	1 g - 50 g	1 g - 50 g
Weight min. - max. Tilapia	0,5 g - 50 g	0,5 g - 50 g
Hourly capacity (fish/h) of 1 g	about 100.000	about 120.000
Hourly capacity (fish/h) of 5 g	about 60.000	about 100.000
Approx. weight	280kg	520kg
Motor power (50 Hz)	0,25 kW	0,25 kW
Water pump need flow (m³/h)	20	20
References sea water	TH1056	TH1086

The grader motors are available in 4 supply voltages (add the desired voltage reference to the grader reference for your requests):

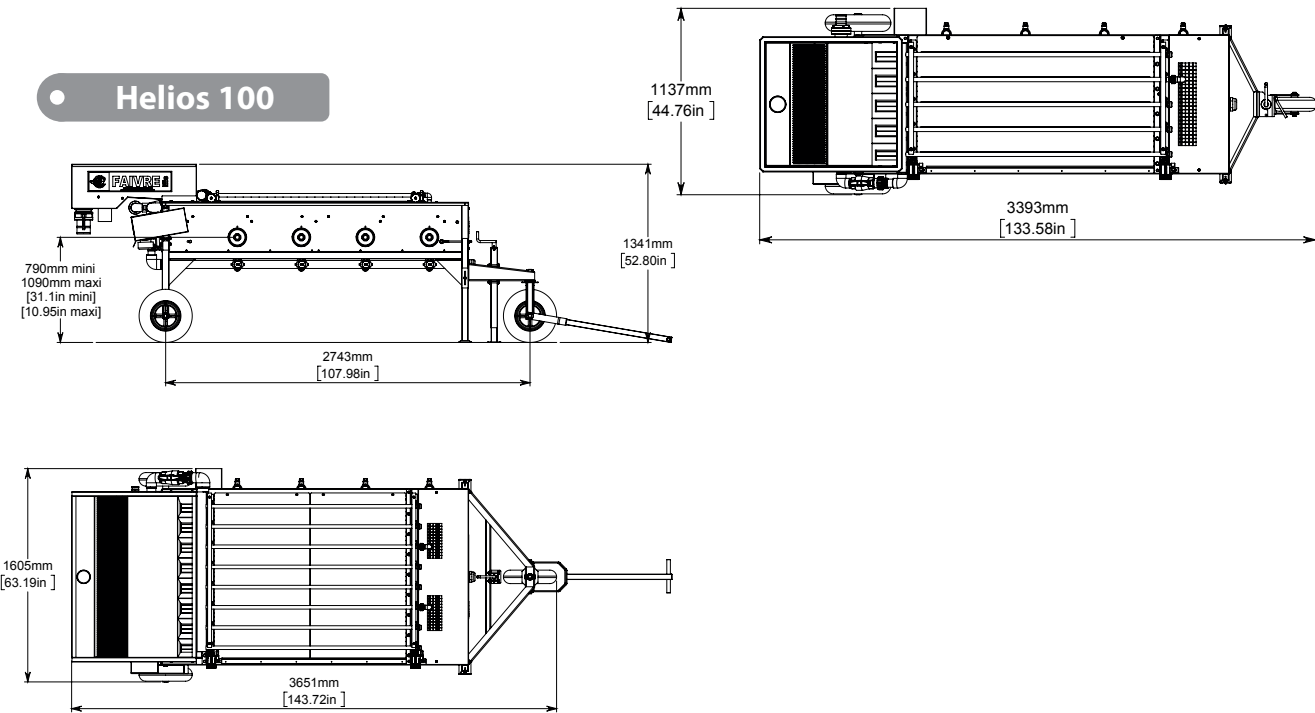
- Three phases 342 - 528 V 50/60 Hz Ref. : **400T**
- Three phases 180 - 264 V 50/60 Hz Ref. : **230T**
- Single phase 180 - 264 V 50/60 Hz Ref. : **230M**
- Single phase 110 V 50/60 Hz Ref. : **110M**



Helios 10



Helios 100



OPTIONS

Control box «Packcontrol»

This option considerably reduces the cables left on the ground. Each equipment can be directly connected to this electrical cabinet, which is attached to the sorter. The box allows you to connect and control:

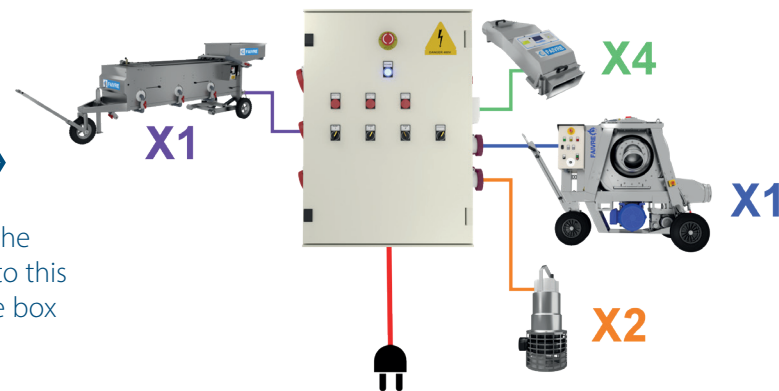
- 1 grader
- 2 water pumps
- 1 fish pump
- 4 counters.

The front panel switches allow each device to be turned on or turned off separately. Thermal circuit breakers ensure the protection of each piece of equipment. A differential switch protects the operators.

Ref. :

- 3 x 342 - 525 V 50/60 Hz inlet voltage Ref. : **THC0024**
- 3 x 164 - 264 V 50/60 Hz inlet voltage Ref. : **THC0022**
- 1 x 230 V 50/60 Hz inlet voltage Ref. : **THC004***

* water pump max. 2,2kW with a single phase



Dewatering hopper

Inlet hopper to plug a fish pump fitted hoses and dewatering box system regulated by slide gate valve.

For Helios 10 grader :

- Ø fish pump pipe 4" (hopper included in the grader price) Ref. : **TH105DEWU**

For Helios 100 grader :

- Ø fish pump pipe 4"

Ref. : **TH108DEWU**



Water pump for grader

A suitable water pump must be connected to the grader in order to grade the fish without damage. We can offer you a Stainless steel submersible pump adapted to your machine. This pump has a Stainless steel strainer to suck the fish, it is delivered with 2.5m flexible hose and fittings, adapted to the grader.

For Helios 10 grader

- Pump flow 20 m³/h supply voltage 1 x 230 V 50 Hz Ref. : **TPOW10I6M5**
- Pump flow 20 m³/h supply voltage 3 x 400 V 50 Hz Ref. : **TPOW10I6T5**

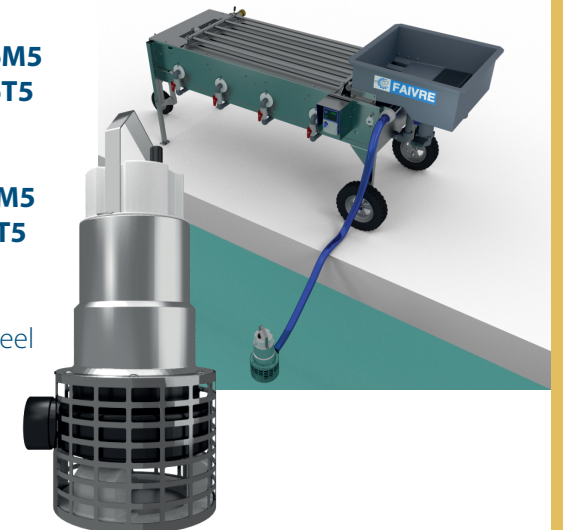
For Helios 100 grader

- Pump flow 30 m³/h supply voltage 1 x 230 V 50 Hz Ref. : **TPOW30I6M5**
- Pump flow 30 m³/h supply voltage 3 x 400 V 50 Hz Ref. : **TPOW30I6T5**

Accessories

- 5 m flexible hose Ø 50 mm (2 ") and storz fitting plus 90 ° Stainless steel elbow to connect the pump to the grader Ref. : **TPOHLINK50**

60 Hz pump on request.



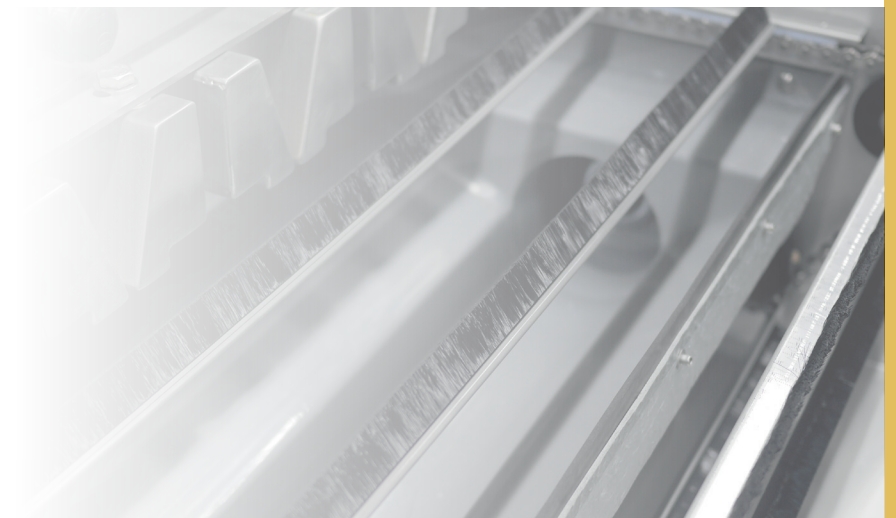
Brushes for fish graders (for grading delicat fish)

For Helios 10 grader :

- 36 brushes (inclined) Ref. : **TH150330**
- 36 brushes (straight) Ref. : **TH150331**

For Helios 100 grader :

- 36 brushes (inclined) Ref. : **TH180330**
- 36 brushes (straight) Ref. : **TH180331**



Adapter cam lock 4" to 2,5"

- 4" female to 2.5" male aluminum reduction Ref. : **PH041111**

