【Specifications】

Model： SHUNT

Net weight：183 kg

Dimension：(L*W*H) 900*1000*1610 mm

Tank capacity：tap water: 125L / mixer tank: 155L

Filter materials：1–PP fiber; 2– resin; 3– activated carbon

Voltage：220V.AC 50HZ

Power consumption：500W/ hr for continuous operation (the unit is set for indirect operation)

Ozone： 500mg / hr

Water inflow：10L / min

Coolant outflow： 40L / min ; 80L / min max.

Oil–water mixer pump production： 0.17~50L / min (10~3000L / hr)

Options

Concentration meter

Detection by refractive index

Rated concentration range Brix: 0%~20%

(nD: 1.32500~1.37000)

Range displayed Brix: 0%~25%

Applicable fluids: noncorrosive

water–based solutions

(water–soluble coolant, mold release agent, etc.)

Display screen

QVGA 2.0 color LED display with status indicators

Display refresh cycle: ~10 second/refresh

Network supported: IQ–Link

Data storage: USB 2.0, storage up to a year

Flowmeter

Fixed flow： 1/2”(15A):60L/min ; 3/4”(20A):100L/min

No–cutting flow：0.5L/min(variable, initial value)

Level controller set

Detection height：200mm and 500mm

Setting height accuracy：

one pitch every 15mm

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Dealer

HC FENG CO.,LTD.

Auto Coolant Mixing Refill System

（Smart Flow System）

SHUNT

Still replenishing your cutting coolant by hand? Time = Money

How long do you spend on replenishing cutting coolant per day?

Is the formulated concentration correct?

Too much stock fluid added = Increased cost

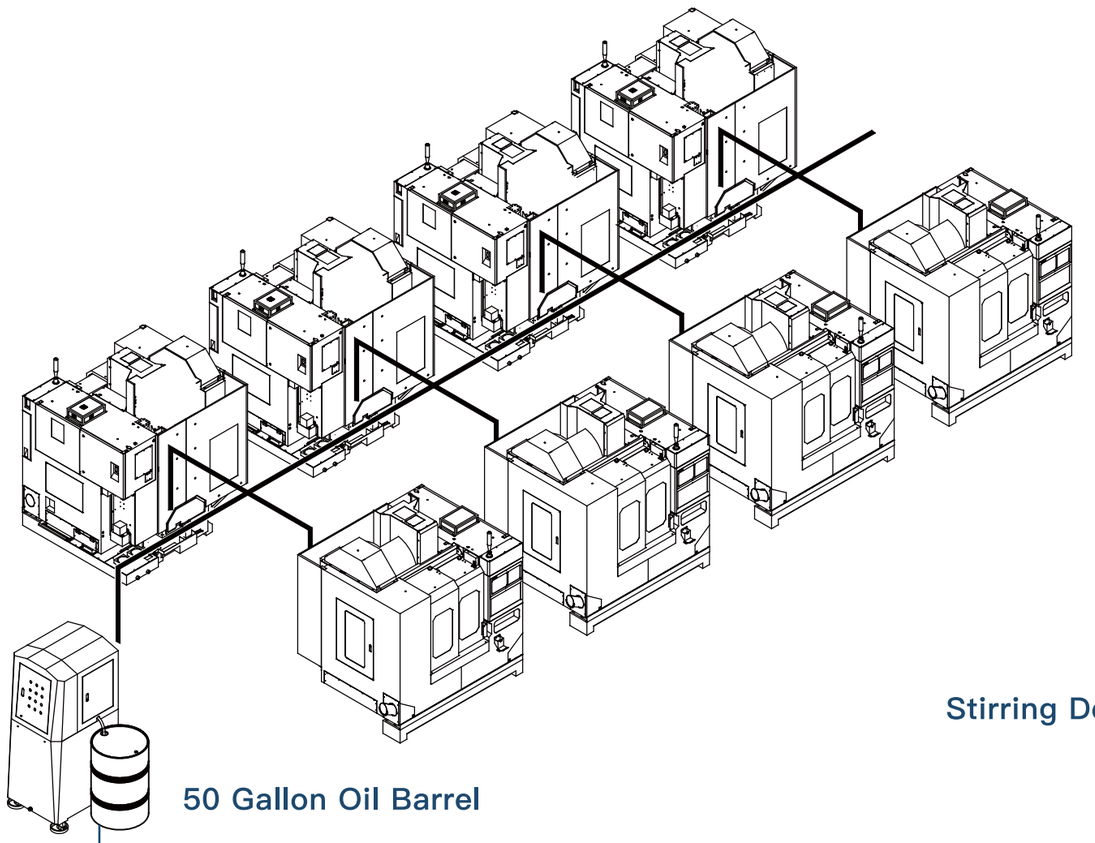
Too little stock fluid added = Low concentration prone to deterioration

- Fully automatic replenishing
- Replace manual labor
- Accurate cutting coolant concentration

CE

HC FENG CO.,LTD.

The world is on its way to Industry 4.0 and automated design is the trend, including robotic arms throughout the entire factory for automation.
However, it is often forgotten that the cutting coolant is an important part of Industry 4.0 at the very beginning. HC FENG presents the Auto Coolant Mixing Refill System featuring fully automatic design. Tap water is subject to impurity filtration → filtration by resin → filtration by activated carbon, and finally the sterilization by ozone. As the water is purified, it is fed to the water tank of the machine through the oil-water mixer made in Italy based on the customer-specified concentration.
This helps your company reduce the time and cost due to manual labor for replenishing coolant and formulating concentration.



Auto Coolant Mixing Refill System

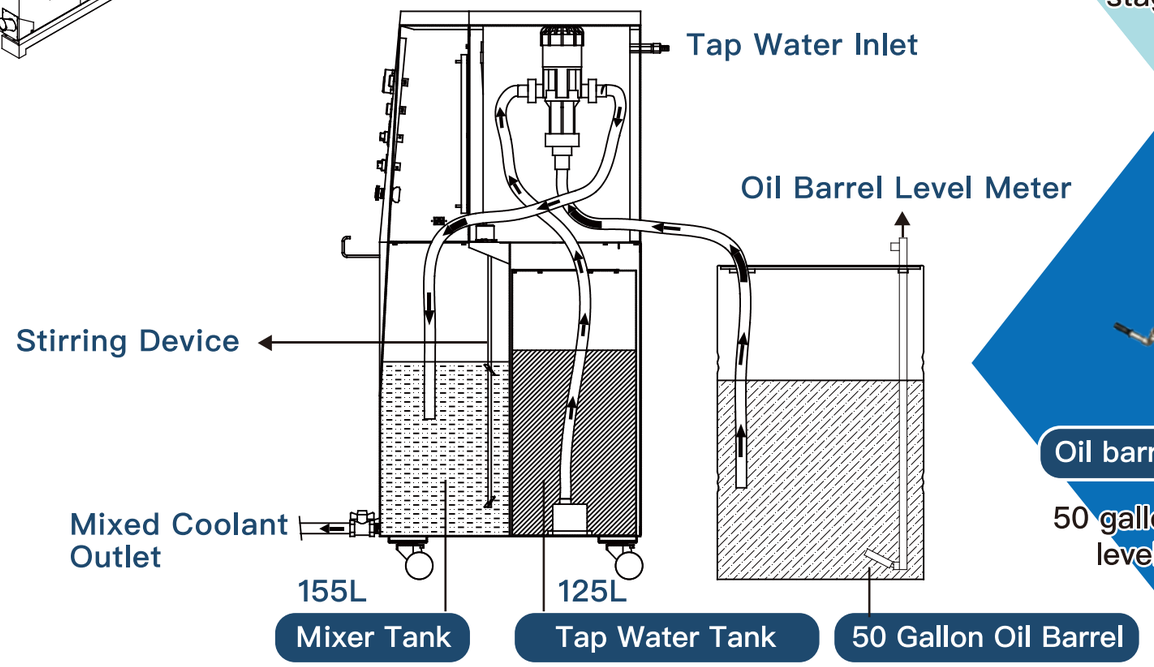
＊The 3D view indicates that the supply line can be as long as 20m for multiple CNC machining centers.

Filtration by 3 filters

Impurity filtration from tap water
→resin filtration
→activated carbon filtration

Sterilization by ozone

The filtered tap water will be sterilized by ozone



Oil-water mixer pump

Precise mixing of 0-10% cutting coolant
(Made in Italy)

Stirring device

The prepared cutting coolant is keeping stirred regularly to avoid becoming stagnant water

Oil barrel level meter

50 gallon barrel low level detection