

## Hangsterfer's S787R New Technology Coolant

Dramatically reduces your monthly tooling costs

For your most difficult machining operations & the most difficult materials on Machining & Turning Centres & VIPER grinding

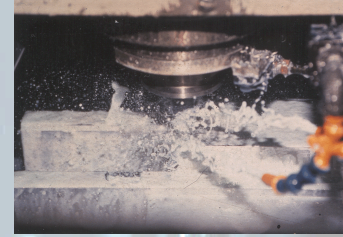
- Full Rolls Royce approval
- Extremely low top up rate
- Increased tool life
- Very clean in use
- High pressure capability
- Hard/soft water compatible
- Excellent corrosion control
- Very low consumption
- Chlorine & Boron free
- Formaldehyde free
- Long lasting, bio resistant
- No hazard label
- S787R is REACH compliant and free from Substances of Very High Concern*

Case study 1:- Rough milling stainless steel, existing coolant - vegetable oil high performance product. Change to S787, tool life increased 5 fold.

Case study 2:- Face milling 4140 steel, existing coolant - conventional style emulsion. Change to S787, tool life increased 12 fold.

## Hangsterfer's S500CF high performance coolant

- Rolls Royce approved
- Airbus approved
- Bombardier approved
- Boeing approved
- Lockheed Martin approved
- Lord Corporation approved



S500CF is a conventional style high oil emulsion, however unlike typical emulsions it is free from biocides, boron, formaldehyde, amines, chlorine and sulphur additives. Reach compliant.

It will not sting if you get it in your eyes and does not irritate skin. It is perfect for operators with existing skin conditions.

S500CF works extremely well on a wide range of materials including stainless steel and aerospace alloys.

## Hangsterfer's S388 multi purpose coolant

S388 could almost be classified as a "budget" version of S500CF, it is just as safe as the S500CF

With a high oil content and performance additives S388 is capable of working with all the normal materials found in a machine shop. From aluminium to stainless steel, S388 will give you more than satisfactory performance. Reach compliant.

## Slide way oil

**Hangsterfer's Waylube 2**  
A premium ISO68 grade slide way oil. It offers superior slideway adherence and excellent stick-slip friction characteristics. Waylube 2 will float to allow removal by our belt skimmers or separators



## Belt Skimmers

60 mm or 100 mm belt  
Timer as standard  
Stainless steel housing  
Powerful reliable motors  
Double wiper system  
Mains powered

## Coolant mixing valves

We offer both water powered and electrically powered mixing valves.



Powered by water these valves accurately mix the concentrate with the water and dispense it into a container or directly to your machine



Electrically powered with an inbuilt pump these valves accurately mix the concentrate with the water and dispense it into a container or directly to your machine

## Sump aeration units



The "Monday morning smell", caused by a build up of unwanted bacteria in your coolant sump. Treatable with biocides but why not consider a safer way. By aerating your sump with one of our small units harmful micro organisms find it very difficult to survive. Your coolant lasts longer and the operator's environment is improved.

## Hangsterfer's S737 New Technology Coolant

Reduces your monthly tooling costs

Multi purpose coolant for general machine shop use on a wide range of materials on Machining & Turning Centres

- General purpose product
- Increased tool life
- Very low top up rate
- High pressure capability
- Hard/soft water compatible
- Excellent corrosion control
- Very low consumption
- Chlorine & Boron free
- Formaldehyde free
- Long lasting, bio resistant
- No hazard label
- S737 is REACH compliant and free from Substances of Very High Concern*

Case study 1:- Spade drilling 2.¼" diameter x 9" deep in 4140 steel, existing coolant - conventional style emulsion. Change to S737, tool life increased 3.1/2 fold.

Case study 2:- Face milling 4140 steel, existing coolant - conventional style emulsion. Change to S737, tool life doubled

## Hangsterfer's neat cutting oils

### Tapping stainless steel, aerospace alloys and other difficult materials



#### 525 Space Age Cutting Oil

Reduces tapping torque - improves tap life  
Eliminates torn threads  
210 viscosity  
Can be added to low cost oils to boost performance  
Box of 5 off 500ml bottles with nozzles,  
3.8 litre refill container  
19 litre Pails  
Rolls Royce approved CSS137

### Tapping stainless steel, aerospace alloys and other difficult materials



#### SuperAllTap

Reduces tapping torque - improves tap life  
Eliminates torn threads  
Water miscible, easier to clean out of small holes  
Does not contaminate coolants  
Fill holes before tapping on automated machines, residue fortifies the coolant  
Case of 12 off 8oz bottles

### Tapping difficult materials, sliding head lathes etc.



#### 5258 Light

Reduces tapping torque - improves tap life  
Eliminates torn threads  
28 viscosity, commonly used in tapping oil dispensers  
Outstanding fluid for sliding head CNC lathes  
19 litre pail and 208 litre drums

Rolls Royce approved CSS137

### For your most difficult tapping job



#### Easytap

Dramatically reduces tapping torque in difficult to machine alloys  
Eliminates torn threads  
1900 viscosity, apply by brush to tap and drilled hole  
Very effective on large diameter taps  
1.25 litre tub and 19 litre pails

## Tramp oil removal system

#### Tramp Oil

Slide way oil that has finished lubricating your machine slides and is now contaminating your coolant.

**Tramp oil is the largest single cause of coolant failure**

#### Tramp Oil

Excellent source of food for bacteria

Potential cause of skin irritation

Leads to smoke and mists when recirculated to the cutting tool

Leads to poor component finish when recirculated to the cutting tool

#### Solution

Remove with one of our low cost tramp oil separators.

- 👉 No more "Monday morning smell"
- 👉 Extended coolant life
- 👉 Reduced waste coolant for disposal
- 👉 Extended tool life
- 👉 Better surface finish
- 👉 Smoke and odours eliminated
- 👉 Clearer refractometer readings
- 👉 Better operator environment
- 👉 Eliminates risk of skin irritation from tramp oil
- 👉 Easier to comply with the HSE's guidelines



	Specifications		
Model size	6	10	14
For sump size	Medium	Large	Large
Oil contamination	Moderate	Heavy	Very heavy
Oil rejection ability of coolant	Good	Slow	Slow
Base size	355 x 355 mm all models		
Height	600 mm	760 mm	900 mm
Weight	18 Kg	22 Kg	25 Kg
Air requirement	0.5 SCFM @ 20 to 125 psig all models		

# MacInnes

## New Technology Metal Working Fluids

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