

- 1. Supra & AGS series surface grinder**
 - **Hydraulic Oil AW 68, Mobile Oil DTE 25 or Rando HD 68**
 - **Way Oil – Way Oil Vistac 68 or Way Lubricant 68**

- 2. Dynamic series engine lathe – 1440G & 17”, 20”, 24”, 29” E-Lathe 17” series**
 - **Headstock, Gear Box – Hydraulic Oil AW 68, Mobile Oil DTE 25 or Rando HD 68**
 - **Apron – Hydraulic Oil AW 68, Mobile Oil DTE 25 or Rando HD 68 For 24”/29” series – Hydraulic Oil AW 32 or Rando 32**
 - **Bed Ways – Way Oil Vistac 68 or Way Lubricant 68**

- 3. Dynamic 1340G, 1440E, E-Lathe 1440G, 1440V**
 - **Headstock, Gear Box & Apron – Hydraulic Oil AW 46 or Rando HD 46**
 - **Bed Ways – Way Oil Vistac 68 or Way Lubricant 68**

- 4. Dynamic 35”, 40”, 45”, 50” and 55” series lathe**
 - **Headstock, Gear Box & Apron – Hydraulic Oil AW 68, Mobile Oil DTE 25 or Rando HD 68**
 - **Bed Ways – Way Oil Vistac 68 or Way Lubricant 68**

- 5. Ultima 2S, 3VS, 3VK, 3VKH, 4VK and E-mill 3VS, 3VK, 3VKH & 5VK**
 - **Spindle Oil – Hydraulic Oil AW 22 or Spindural 22**
 - **Slide way Oil – Way Oil Vistac 68 or Way Lubricant 68**
 - **Lead screw Grease – Dura –Lith Grease EP2 or Multifuk EP2**

6. E-1350B and E-1454B – Bed Type Mill

- **Slide way Oil – Way Oil Vistac 68 or Way Lubricant 68**
- **Spindle Oil – Hydraulic Oil AW 22 or Spindural 22**

7. EMC 2240A & VMC 2040L

- **ATC – Hydraulic Oil Vistac 68 or Rando HD 68**
- **Slide way – Way Oil AW 68, Mobile Oil DTE 25 or Way Lubricant 68**

Lubricants- Fluids-Coolants

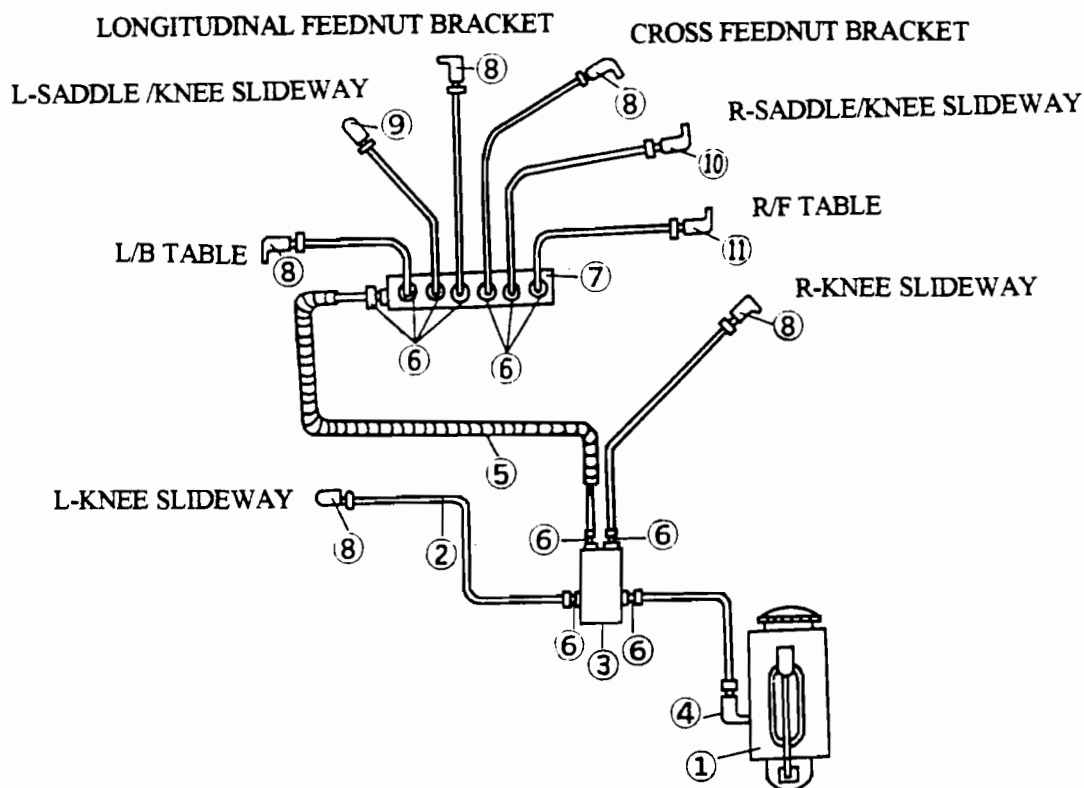
Tool clamp cylinder and Spindle chiller	Shell : Tellus 32 Mobil : DTE 24 Esso : Unavis N32 http://metalfuids.com/
Air Lubricator	Air Tool Lubricant - Pneumatic oil Mobil : DTE light Shell : Turbo T32 Esso : Teresso 32 Nuto H32 http://metalfuids.com/
Coolants	Hangsterfer's S-500 7% http://metalfuids.com/
Grease	Multi-Purpose-Grease http://metalfuids.com/

4. LUBRICATION

Do not operate until properly lubricated:

- (a) Way surfaces and lead screws:
SUNOCO waylube #80 or equivalent, one pump daily.
- (b) Milling head (Spindle Bearings)
S.A.E. 10 or 10W light oil, weekly.
- (c) Elevating screw
SHELL Carnea Oil 41, twice weekly.
- (d) Motor are greased for life of bearings.

4-1 Lubrication System of 2S, 3VS and 3VK



ITEM NO.	PARTS NO.	DESCRIPTION	ITEM NO.	PARTS NO.	DESCRIPTION
1.	9001	Hand Oiler	2.	9002	Aluminum Pipe (4mm)
3.	9021	A4 Distributing Joint	4.	9022	Elbow Joint
5.	9006	Flexible Oil Tube	6.	9023	Straight Joint (M8.P 1.0)
7.	9024	A8 Distributing Joint	8.	9005	Oil Check Valve #1
9.	9008	Oil Check Valve #2	10	9007	Oil Check Valve #4
11.	9010	Oil Check Valve #5			

Figure 13. Oil Feeding System