

## Hi-Tech

# DIRECT CUT SU SERIES

112 / 118 / 124 / 132 / 140

Chlorine & HM Free Neat Cutting Oil

### Introduction

**Generation Four Engitech Ltd., Hi-Tech Solution** is 12 years old company standing at second largest company as Importing / Manufacturing and selling of specialized thermic fluid in India. We have our network all over INDIA and also having sales & service points at many countries registered under SAFTA . We serve friendly services to our more than 6000 customers with our world class products. We have a huge list of branded customers with few from India's fortune 500 companies.

### Description

**Hi-Tech Direct Cut SU Series**, neat cutting oil are non-emulsifiable which are used in machining operations in an undiluted form. It is chlorine and heavy metal free neat cutting oil specially formulated with a special combination of ester, extreme pressure (EP) and anti-wear additives to help to optimize machining performance by reducing friction and heat between tool and work piece, prevents excessive wear at contact surfaces and enhance tool life. **Hi-Tech Direct Cut SU** series used for metal working operations on tough ferrous metals.



### Advantages

- Advanced additive technology result in high extreme pressure (EP) lubricity properties
- lower production costs because of extended tool life
- Improved surface finish and increased cutting speed, result in work efficiency
- Chlorine and heavy metal free formulation reduces disposal costs
- Easy to manage as it has no chlorine
- Reduces friction and heat between tool and work piece
- Facilitates rapid settling of chips and swarf
- Less misting tendency

### Application

**Hi-Tech Direct Cut SU Series** are recommended for machining operations like Hobbing, Broaching, Gun drilling, Gun Reaming, Gear shaving, Fine and Line Boring, Punching, Radial drilling, Tapping, Milling, Spline Hob Cutting, Multi Spindle Drilling etc., for ferrous and non-ferrous metals. It is also used for Rotary Indexing, Angle Shearing, Nut forming Machine, CNC Engraving and Milling Machine, Bar Shearing, Machine Tool Industries and Conventional Lathe Machine.

### Technical Properties

Characteristics \ Series	Hi-Tech Direct Cut SU Series					
	SU 112	SU 118	SU 124	SU 132	SU 137	SU 140
<b>Specifications (BIS 3065 Grade)</b>	-	Grade I	Grade I	Grade II	Grade II	Grade III
Kinematic Viscosity @ 40 °C, cSt	12	18	24	32	37	40
Flash Point, COC, °C, Min.	160	172	181	200	205	208
Copper Strip Test Corrosion 100 °C for 3 hrs.	1a	1a	1a	1a	1a	1a

All the mentioned values are typical which may vary from batch to batch.