



Decide with Confidence



STAR TRACE[®]
PRIVATE LIMITED

LABORATORY MINERAL JIG



Single Source

**Incorporated testing, design engineering, fabrication,
and services to confirm tailor-made total systems**

www.startraceld.com

INTRODUCTION

Star Trace offers a range of products which are widely used across various laboratories and also hold diverse industrial applications. These wide range of products are manufactured according to industrial quality and standards. Backed by our excellent engineering and quality control team, we are able to satisfy the client requirement for various engineering products all over the world. With more than 20 years of experience in this field, we have been supplying technically accurate and superior products to our clients and have catered to the requirement of variety of sectors and clients.

MINERAL JIG

Principle: Jigging is the process of separating the particles of different specific gravity, size and shape by introducing them on screen through which a fluid is made to pulsate alternately. It consists of a rectangular open top container. The bottom of the container is either a screen or a perforated surface which supports the bed of the solids. Pulsion and suction strokes of water through the screen are given by means of a reciprocating piston.

During the pulsion stroke, solid bed is opened and the particles are lifted. The particles settle into more homogeneous layer during the suction stroke. By repeated pulsion and suction stroke, a complete stratification is achieved with the heavy particles at the bottom and lighter particles above them.

The following three effects contribute to the stratification in Jig:-

1. Hindered settling classification.
2. Differential acceleration at the beginning of fall.
3. Consolidation trickling at the end of the fall.

| Model | Area | Stroke | Times of Stroke | Feed Size | Capacity | Feedwater Flow Control | Power | Overall Dimension | Weight |
|-------------------|----------------|--------|-----------------|-----------|----------|------------------------|-------|-------------------|--------|
| | m ² | mm | r/min | mm | t/h | m ³ /h | kw | mm | t |
| JT1-1 | 1 | 8.5-12 | 80-180 | <6 | 2-4 | 0.05 | 2.2 | 1630/1310/2010 | 0.9 |
| JT2-2 | 2.28 | 12-17 | 80-180 | <10 | 4-8 | 1-3 | 3 | 3220/1550/2050 | 1.6 |
| JT3-1 | 3.3 | | 80-120 | <10 | 6-10 | 1-3 | 5.5 | 3180/1850/2600 | 3.26 |
| JT4-2 | 4.33 | 6.5-25 | 80-120 | <30 | 10-15 | 1-2 | 7.5 | 3600/1850/2600 | 4.6 |
| JT5-2 | 4.86 | 15-25 | 80-120 | <10 | 10-20 | 1-2 | 7.5 | 3600/2000/26000 | 4.8 |
| LTA1010/2 | 4 | 0-26 | 250-350 | 1-6 | 2-20 | 1-2 | 2.2 | 2800/1800/2300 | 1.3 |
| 300/450 Diaphragm | 2.7 | 0-26 | 320 | 12 | 3-6 | 2-3 | 1.1 | 1230/1270/1750 | 0.74 |
| 370/360 Diaphragm | 2.75 | 5 25 | 2-5 | 6 | 1-3 | 2-3 | 1.1 | 1000/6000/1600 | 0.24 |

Single Source

Corporate Headquarters

Old No: 7, New No: 5,
Jeevanandham Street, Redhills,
Chennai-600 052, India.
Phone: (0091-044) 26418456,
26419439, 32975456.
TeleFax: (0091-044) 26419439
Mobile: (0091) 9380521576,
9380521567, 9841015456.
Email: sales@startraceld.com

City Office

Old No: 526, New No: 41,
1st Floor, 3rd Avenue Road,
N.S.K Nagar, Arumbakkam,
Chennai-600 106, India.
TeleFax: (0091-044) 43500032.

Works

No:11, Moorthasa Ussian
Sahib Street, Redhills,
Chennai-600 052, India.

Canadian Representative

Mr. Mahes parteepan
Phone: (001) 2988003549
Mobile: (001) 647 783 9627
Email: mahesh@startraceld.com

Myanmar Representative

Mr. KYAW MIN TUN
Mobile: +95-973166695
Email: kyaw@startrace.in

Indonesia Office

BLOK D6-NO.5, MGK - Mega Kemayoran,
Office Tower A Lt.1 Jl. Angkasa,
Kota Baru Bandar Kemayoran,
Jakarta Pusat 10610.
Phone: +62 81311594498.
Email: sales@startrace.co.id

Dubai Representative

Mobile: 00971557526778
Email: mahesh@startraceld.com