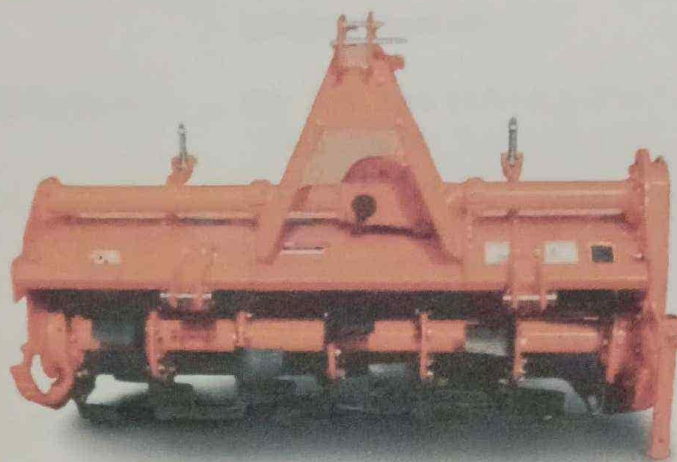


No: FMTC/KLR/TR/104-2025

Month: February, 2025

COMMERCIAL TEST REPORT
(THIS TEST REPORT VALID UPTO :20/01/2032)



Tractor Mounted SRT-5 (150) / MS GD Smart – Rotary Tiller



FARM MACHINERY TESTING CENTRE
DEPARTMENT OF FARM MACHINERY AND POWER ENGINEERING
AGRICULTURAL ENGINEERING COLLEGE AND RESEARCH INSTITUTE
TAMILNADU AGRICULTURAL UNIVERSITY
KUMULUR – 621712, TAMILNADU, INDIA

Telephone : 0431-2545000

Website : www.tnau.ac.in

E-mail: deancaekum@tnau.ac.in

FARM MACHINERY TESTING CENTRE
DEPARTMENT OF FARM MACHINERY AND POWER ENGINEERING
AGRICULTURAL ENGINEERING COLLEGE & RESEARCH INSTITUTE, TNAU, KUMULUR,
TRICHY DISTRICT, TAMIL NADU.



Manufacturer : M/s .Tirth Agro Technology Pvt. Ltd.,
"SHAKTIMAN, Survey No 108/1,
Plot No. B, NH-27, NrBharudi Toll Plaza , Bhuvana
(Village), Taluka: Gondal, Dt.Rajkot, State:Gujarat-
INDIA
Pin-36031.

Telephone number : +91(2827)661637
e-mail address : info@shaktimanagro.com

Subsidiary & Affiliated Office in India : M/s .Tirth Agro Technology Pvt. Ltd.,
"SHAKTIMAN, Survey No 108/1,
Plot No. B, NH-27, NrBharudi Toll Plaza ,
Bhuvana (Village), Taluka: Gondal, Dt.Rajkot,
State:Gujarat-INDIA
Pin-360311.

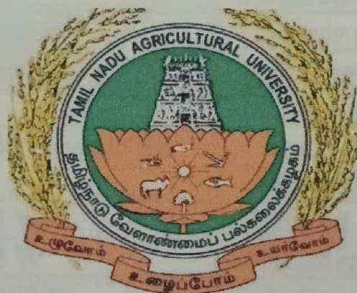
Telephone number : +91(2827)661637
e-mail address : info@shaktimanagro.com

Tractor Mounted SRT-5 (150) / MS GD Smart – Rotary Tiller

Report No: FMTC/KLR/TR/104-2025

Month: February

Year: 2025



**FARM MACHINERY TESTING CENTRE
AGRICULTURAL ENGINEERING COLLEGE AND RESEARCH INSTITUTE
TAMILNADU AGRICULTURAL UNIVERSITY
KUMULUR – 621712, TAMILNADU, INDIA**

Telephone : 0431-2545000
Website : www.tnau.ac.in

E-mail: deancaekum@tnau.ac.in

**FARM MACHINERY TESTING CENTRE
DEPARTMENT OF FARM MACHINERY AND POWER ENGINEERING
AGRICULTURAL ENGINEERING COLLEGE & RESEARCH INSTITUTE, TNAU, KUMULUR-621712,
TRICHY DISTRICT, TAMIL NADU.**



Type of test	:	COMMERCIAL TEST
Name of machine	:	Tractor Mounted SRT-5 (150) / MS GD Smart – Rotary Tiller
Test Report No	:	FMTC/KLR/TR/104-2025
Test requested by	:	M/s. Tirth Agro Technology Pvt. Ltd., "SHAKTIMAN, Survey No 108/1, Plot No. B, NH-27, NrBharudi Toll Plaza, Bhuvana (Village), Taluka: Gondal, Dt.Rajkot, State:Gujarat-INDIA
Testing Authority	:	Farm Machinery Testing Centre, Agricultural Engineering College & Research Institute, Tamil Nadu Agricultural University, Kumulur – 621 712, Tamil Nadu, India.
Period of Test	:	January 2025

- This Test Report should not be reproduced in part or full without prior permission of the Dean, Farm Machinery Testing Centre, Agricultural Engineering College & Research Institute, Kumulur- 621712
- The data given in the Test Report pertain to the particular machine submitted for test by the Applicant.
- The data collected during the test do not in any way attribute to the durability of the machine.
- The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.

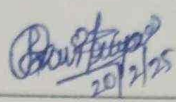
SELECTED CONVERSIONS

S.No	Units	Conversion Factor	ABBREVIATIONS	
1.	Force		Full form	Symbols
	1 Kgf	9.80665 N	As per applicant	apa
		2.20462 lbf	Average	Ave
2.	Power		Hectare	ha
	1 hp	1.01387 metric hp (Ps)	Rockwell Hardness	HRC
		745.7 W	Brinell Hardness	HB
	1 Ps	735.5 W	Diameter	Dia
	1 KW	1.35965 Ps	Indian Standard	IS
			Mild Steel	MS
3.	Pressure		Not Applicable	NA
	1 Psi	6.895 kPa	Not Provided	NP
	1 Kgf/cm ²	98.067 kPa= 735.56 mm of Hg		
	1 Bar	100 kPa= 10 N/cm ²	Revolutions per minute	rpm
	1 mm of Hg	1.3332 m-bar	Power take-off	PTO

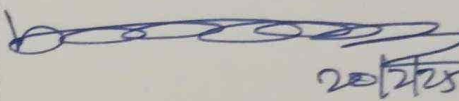
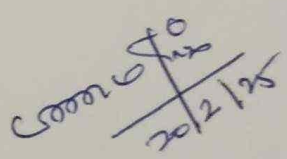
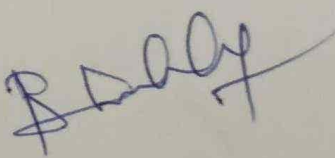
FARM MACHINERY TESTING CENTRE
DEPARTMENT OF FARM MACHINERY AND POWER ENGINEERING
AGRICULTURAL ENGINEERING COLLEGE & RESEARCH INSTITUTE, TNAU, KUMULUR-621 712
TRICHY DISTRICT, TAMIL NADU.



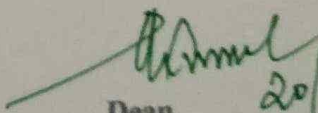
TEST CONDUCTED BY

Er. V. Kavipriya Test Engineer	 20/2/25
Date of mailing to Director, SRFMTTI, Tractor Nagar, Garladinne, Anantapur, AP.	12.02.2025
REMARKS received if any	—

TESTING AUTHORITY BY

Dr.R.Thiyagarajan Principal Investigator (FMTC), Associate Professor & Head, Dept. of Farm Machinery & Power Engineering, Agricultural Engineering College & Research Institute, Kumulur - 621 712	 20/2/25
Dr. P. Kamaraj Co-Principal Investigator (FMTC), Associate Professor (Farm Machinery), Dept. of Farm Machinery & Power Engineering, Agricultural Engineering College & Research Institute, Kumulur - 621 712	 20/2/25
Dr. P. Dhananchezhian Co-Principal Investigator (FMTC), Assistant Professor (Farm Machinery), Dept. of Farm Machinery & Power Engineering, Agricultural Engineering College & Research Institute, Kumulur - 621 712	

(THIS TEST REPORT VALID UPTO: 20 / 01 / 2032)


Dean
AEC & RI, Kumulur

FARM MACHINERY TESTING CENTRE
DEPARTMENT OF FARM MACHINERY AND POWER ENGINEERING
AGRICULTURAL ENGINEERING COLLEGE & RESEARCH INSTITUTE, TNAU, KUMULUR,
TRICHY DISTRICT, TAMIL NADU.

