

TCR LIMS 3.0

Lab Information Management System

Feature

Sample

- Management of sample and its tracking

Customer

- Customer management
- Customer dashboard

Test and Spec

- Test management
- Specification and grade management

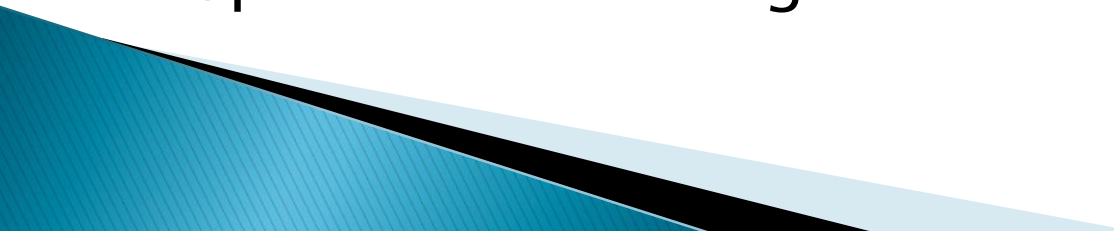
Machine

- Machine and its performance analysis

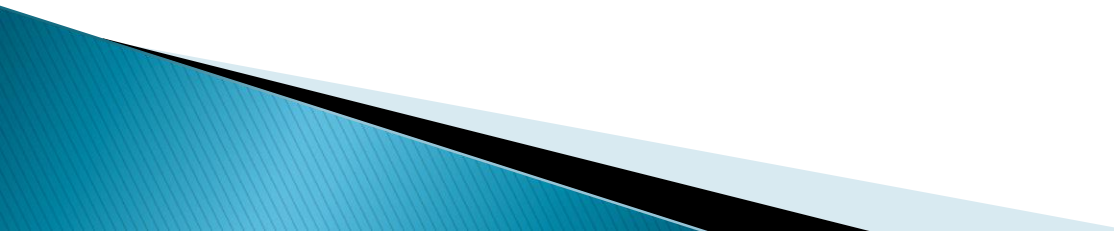
Reporting

- MIS report and analysis
- Performance management

Benefit

- ▶ Web based solution
 - ▶ Faster Reporting
 - ▶ Scalable System
 - ▶ User Friendly access
 - ▶ Secure enough, and maintaining secrecy of the tests to others department
 - ▶ Customized Reports
 - ▶ Export facility of the each and every report in the standard word and Adobe Acrobat Reader Format.
 - ▶ Different rate for the different customer can be configured
 - ▶ Customized Test and its parameters
 - ▶ Specification and grade management
- 

Advantages

- ▶ Customer have one click option to see test carried
 - ▶ Email and SMS alert to customer
 - ▶ Better reporting
 - ▶ MIS report with graph
 - ▶ Machine performance analysis
 - ▶ Lab Technician performance analysis
 - ▶ Customer complain and resolution
 - ▶ Customer dash board
 - ▶ Tracking of each and every activity of sample easily
- 

Sample Inward

[←](#)
[→](#)
<http://localhost:35553/mm/Pages/ReceiptMaster.aspx?PK=494>
Sample Inward
Log Out

LIMS

Welcome: admin
Login Date: 29-Apr-2014 Login Time: 11:51 AM

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Related Links

- [Sample Receipt\(Add\)](#)
- [Sample Receipt List](#)
- [Customer](#)

Sample Collection/Inward

Sample Inward No.	R494	Date	28-Apr-14	Time	17:08:00	Total Quantity	2
Customer Name *	SHIVAM ENGINEERING WORKS	Report Issued To	SHIVAM ENGINEERING WORKS				
Address	Plot No 6-A,Road No.27, Opp.Star Co.Near T.M.T.Depo, Wagle Estate,Thane-400604.	Report Issued To Address	Plot No 6-A,Road No.27, Opp.Star Co.Near T.M.T.Depo, Wagle Estate,Thane-400604.				
Contact Person	Mr.yadav	Contact No.					
Email ID	shivamengthane@gmail.com						
Reference/Challan No	166	Reference/Challan Date	27-Apr-2014				
Stamped By	Nil	Drawn By	Party				
Sealed By		Witnessed By					
Sample Collected By		Customer Remarks					
For Testing <input type="checkbox"/>	For Calibration <input type="checkbox"/>	File/s Click to Upload files or to view uploaded files					

Other Details

Sample Details

Rows : 30

Sr No.	Lab No	Item Description	Material Specification	ID/ Heat No.	Size/ Range	Remarks	Quantity
1	C4519	Chips	18NICRMO4/EN35	Drg No.10372839			0
2	C4520	Chips	EN36 (39 Nic-No3)	Drg No.10382001	150 mm Dia		0
3							0
4							0
5							0
6							0
7							0
8							0
9							0
10							0

[Save & New](#)
[Save & List](#)
[Save](#)
[Edit](#)
[Cancel](#)
[Delete](#)
[Back](#)

Sample reference document

Required document or images can be attached along with sample inward

The screenshot shows the LIMS (Laboratory Information Management System) interface. The main form is titled "Sample Collection/Inward" and contains fields for Sample Inward No. (R494), Date (28-Apr-14), Time (17:08:00), and Total Quantity (2). The Customer Name is SHIVAM ENGINEERING WORKS. The Address is Plot No.6-A, Road Opp. Star Co. Near Wagale Estate, Thane. The Contact Person is Mr. yadav and the Email ID is shivamengthan. The Reference/Challan No. is 166. The Stamped By is Nil. The Sealed By and Sample Collected By fields are empty. The For Testing and For Calibration checkboxes are unchecked.

A "File List" dialog box is open in the center of the screen, showing a list of files to be uploaded. The dialog has a "File List" tab and an "Upload File/s" button. The text inside the dialog says "Click on button to upload file/s." and "Select File/s". The files listed are "LTSSTPP-AREVA-MNL-E-0024_Rev-2.pdf" and "Annexure-A ABT Report Format.pdf". The "All files uploaded." message is also visible.

The "Sample Details" table is visible at the bottom of the form, showing columns for Sr No., Lab No., Item Description, and Quantity. The table has 10 rows, with the first two rows containing data for "Chips".

Sr No.	Lab No.	Item Description	Quantity
1	C4519	Chips	0
2	C4520	Chips	0
3			0
4			0
5			0
6			0
7			0
8			0
9			0
10			0

At the bottom of the form, there are buttons for "Save & New", "Save & List", "Save", "Edit", "Cancel", "Delete", and "Back".

Customer List

Filter option

Print and Export

Screenshot of the LIMS Customer Master page. The page displays a table of customer records with columns: Customer Name, Contact Person, Telephone No, Mobile No, Email ID, City, and State. The table is filtered by 'Sample Receipt(Add)' and 'Sample Receipt List'. The 'Result Per Page' is set to 20. The 'Add New' button is visible at the bottom right.

Customer Name	Contact Person	Telephone No	Mobile No	Email ID	City	State
Manoi Enterprises		9820504206		a.A@gmail.com		
Trident Laborteck	Mr.Vikrant	9820462008 / 9869442008		a.A@gmail.com		
Elex India Pvt Ltd				A.a.com		
J.B. Metal Industries Private Limited		28470072		a.A@gmail.com		
BMS International (Bombay) LLP		98679287590		a.A@gmail.com		
Hindustan Metal	Mr.Sabber Ahmed	9892551849		A.a.com		
Tubefit Engineers		0250-2453813/14		A.a.com		
Umesh Engineering				A.a.com		
Steel Star Co.		9594073229/0250-2454596		A.a.com		
K.P. Industries		9920356820/25892295		A.a.com		
J.M Engineers		9820293540/9892173164		jmenengineers11@gmail.com		
J.M Engineers		9820293540/9892173164		A.A.COM		
Western India Wire Industries		21736451/21736452		A.A.COM		
Superior Steel Industries	Mr. Santosh	23877979/23878989		a.a.com		
Rukmani Grinding Works	Mukesh Singh	9833641813		a.a.com		
Subhadra Metals	Mr. Shrikant Patekar	24188232/24175385	9833252928/248188232/24175385	foundrysubhadra@gmail.com		
FPC Engineering Works Pvt.Ltd.		21731012/21731013		a@a.qmail.com		
Tekfab Engineers (Unit-II)		9869431421		a@a.qmail.com		
BEW Engineering Pvt.Ltd.	Mr.Nandi	9870703074		bifriends@new.net.in		
Mathew Associates Hook-Up & Weld Services	Rajender Singh	022-41623409	07666112104	a.a.com		

Record per page view

Link to open and modify customer detail

To View or modify click on record link

Add New

To add new Customer

Plan or Draft Selection

[←](#)
[→](#)
<http://localhost:35553/mm/Pages/DraftList.aspx?st=0>

Plan

LIMS

Log Out
 Welcome: admin
 Login Date: 29-Apr-2014 Login Time: 12:00 PM

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Related Links

Draft

Plan/Draft Master

Search <--Select-->

100 Result Per Page

Pending

Completed

Plan/Draft

Lab No.	S.I. No	Customer	Collection Date	Collection Time	Material Specification	ID/Heat No.	Size/Range	Material Spec	Remarks	
<input type="checkbox"/>	C4503	R483	Guru Process Equipments Pvt.Ltd.	28-Apr-2014	13:13:19	Pipe	GPEPL/13-14/92	25 NB x Sch 40	A 106 Gr.B	
<input type="checkbox"/>	C4502	R483	Guru Process Equipments Pvt.Ltd.	28-Apr-2014	13:13:19	Pipe	GPEPL/13-14/91	65 NB x Sch 40	A 106 Gr.B	
<input type="checkbox"/>	C4501	R483	Guru Process Equipments Pvt.Ltd.	28-Apr-2014	13:13:19	Pipe	GPEPL/13-14/90	50 NB x Sch 40	A 106 Gr.B	
<input type="checkbox"/>	C4500	R483	Guru Process Equipments Pvt.Ltd.	28-Apr-2014	13:13:19	Pipe	GPEPL/13-14/89	40 NB x Sch 10	A 312 TP 304	
<input type="checkbox"/>	C4499	R482	Shreeji Engineering	28-Apr-2014	13:05:05	Pipe	CT-4112	150 NB x Sch 40 x 1060 mm Long	SA 312 TP 304	
<input type="checkbox"/>	C4014	R291	Sunil Forging & Steel Industries Unit 2	19-Apr-2014	16:00:06	Flate Plate	Job No.SF-2687		42CrMo4	
<input type="checkbox"/>	C4013	R291	Sunil Forging & Steel Industries Unit 2	19-Apr-2014	16:00:06	Square Bar	Job No.SF-2769		30CrNiMo8	
<input type="checkbox"/>	C4006	R288	Sadguru Engineering Industries	19-Apr-2014	15:29:43	Plate	Cast No.137374-1	250 x 50 x 50 mm Thk	IS 2062 Gr.B	
<input type="checkbox"/>	C4005	R288	Sadguru Engineering Industries	19-Apr-2014	15:29:43	Plate	Cast No.1451454	250 x 50 x 12 mm Thk	IS 2062 Gr.B	
<input type="checkbox"/>	C4004	R287	Goodluck Engineering	19-Apr-2014	15:25:27	Plate	634-P-147	5 mm Thik	IS 2062 Gr.A/B	
<input type="checkbox"/>	C4003	R287	Goodluck Engineering	19-Apr-2014	15:25:27	Plate	634-P-146	5 mm Thik	IS 2062 Gr.A/B	
<input type="checkbox"/>	C4002	R286	Vista Engineering	19-Apr-2014	15:04:34	M.S.Angle	VE/75	75 x 75 x 200 mm Long	IS 2062 E 250 Quality A	
<input type="checkbox"/>	C4001	R286	Vista Engineering	19-Apr-2014	15:04:34	Plate	VE/16	16 mm (50 x 200)	IS 2062 E 250 Quality A	
<input type="checkbox"/>	C4000	R286	Vista Engineering	19-Apr-2014	15:04:34	Plate	VE/12	12 mm (50 x 200)	IS 2062 E 250 Quality A	
<input type="checkbox"/>	C3999	R286	Vista Engineering	19-Apr-2014	15:04:34	Plate	VE/10	10 mm (50 x 200)	IS 2062 E 250 Quality A	
<input type="checkbox"/>	C3998	R285	Atul Engineering Works	19-Apr-2014	14:54:44	Round Bar Cut Piece		48 mm Dia	S.S.316L	
<input type="checkbox"/>	C3997	R285	Atul Engineering Works	19-Apr-2014	14:54:44	Round Bar Cut Piece		38 mm Dia	S.S.316L	
<input type="checkbox"/>	C3996	R285	Atul Engineering Works	19-Apr-2014	14:54:44	Round Bar Cut Piece		30 mm Dia	S.S.316L	
<input type="checkbox"/>	C3995	R284	J M Engineers	19-Apr-2014	14:52:45	Rod		19 mm Dia	EN19	
<input type="checkbox"/>	C3994	R283	Bainite Machines Private Limited	19-Apr-2014	14:41:58	Cut Piece	Sample No.655	45 x 45 x 415/215	EN-24	
<input type="checkbox"/>	C3992	R282	Paras Engineers & Fabricators	19-Apr-2014	14:40:01	M.STest Piece			IS 2062 Gr.A/B	
<input type="checkbox"/>	C3991	R281	Linit Exports Private Limited	19-Apr-2014	14:38:39	Rod	Heat No.B-578	16 mm Dia	F-51/1.4462	
<input type="checkbox"/>	C3990	R280	Jupiter Quality Clamps India.	19-Apr-2014	14:37:07	Rod		8 mm Dia	SAE 1541	

Plan or Draft

If specification is specified, we can select specification. Software will fetch necessary test to be performed

← → http://localhost:35553/mm/Pages/Draft.aspx?PK=0&smid=1146%2c1145%2c1144&SCMID=483 Plan

LIMS

welcome: admin
Login Date: 29-Apr-2014 Login Time: 12:02 PM

Home Sample Inward Plan Test Result Print Specification Config Invoice Reports Admin

Plan/Draft Master

Test Specification: Grade: Retrive

Sample Condition: Sample Nature:

Office Instruction: UPLOAD ↑

Item Details

Add Row

	Description	C4501	C4502	C4503
1	Description	Pipe	Pipe	Pipe
2	Heat No	GPEPL/13-14/90	GPEPL/13-14/91	GPEPL/13-14/92
3	Size	50 NB x Sch 40	65 NB x Sch 40	25 NB x Sch 40
4	Material Specification	A 106 Gr.B	A 106 Gr.B	A 106 Gr.B

General Test Chemical Test

Sr No	Test Name	Test Caption	Test Method	Other Instruction
1	TENSILE TEST-Plate	TENSILE TEST	ASTM A 370 - 12a	
2	HARDNESS TEST		ASTM A 370 - 12a/ASTM E8/E8M	
3	MACRO TEST PIPE)			
4				
5				
6				
7				
8				
9				
10				

Update Spec & Save Save & List Save Edit Cancel Delete Back

Plan or Draft

User can update specification right from here

Plan/Draft Master

Test Specification: Grade: Retrive

Sample Condition: Sample Nature:

Office Instruction: UPLOAD

Item Details

Description	C4501	C4502	C4503
1 Description	Pipe	Pipe	Pipe
2 Heat No	GPEPL/13-14/90	GPEPL/13-14/91	GPEPL/13-14/92
3 Size	50 NB x Sch 40	65 NB x Sch 40	25 NB x Sch 40
4 Material Specification	A 106 Gr.B	A 106 Gr.B	A 106 Gr.B

General Test Chemical Test

Chemical Group: Retrive

Chemical Element	Minimum Value	Maximum Value
1 <input checked="" type="checkbox"/> Carbon		0.30
2 <input checked="" type="checkbox"/> Sulphur		0.035
3 <input checked="" type="checkbox"/> Phosphorus		0.035
4 <input checked="" type="checkbox"/> Manganese	0.29	1.06
5 <input checked="" type="checkbox"/> Silicon	0.10	
6 <input checked="" type="checkbox"/> Chromium		0.40
7 <input checked="" type="checkbox"/> Nickel		0.40
8 <input checked="" type="checkbox"/> Molybdenum		0.15
9 <input checked="" type="checkbox"/> Copper		0.40
10 <input checked="" type="checkbox"/> Vanadium		0.080
11 <input checked="" type="checkbox"/> Carbon Equivalent		0.50

Update Spec & Save Save & List Save Edit Cancel Delete Back

Result entry

Pull data directly from machine

Chemical Test Result

Lab No. C4512

Test Performed by OP Singh

Test Description TESTING OF ALLOY STEEL SAMPLE

Test Name CHEMICAL ANALYSIS BY SPECTRO

Equipment Sr. No. Q4 -TASMAN (OES)

Test Method ASTM E - 415 : 2008

Hold ☐

Date of completion 28-Apr-2014

Specification EN - 31

Grade

Hold Reason

Retrive

Result Details

Others1 Heading

Others2 Heading

Pull Spectro Data

Add Row

	Chemical Element	Result	Fail	Minimum Value	Maximum Value	Others1	Others2
1	Carbon	1.02		0.90	1.20		
2	Sulphur						
3	Phosphorus	0.032			0.050		
4	Manganese	0.473		0.30	0.75		
5	Silicon	0.305		0.10	0.35		
6	Chromium	1.145		1.00	1.60		
7	Nickel						
8	Molybdenum						
9	Copper						
10	Vanadium						

Status ☒ Completed Result Calculation ☐ Manual

Remarks CONFUMS TO BS 970:1955 GR EN 31

Office Instruction

Other Instruction

Test Witnessed By

Test Witness Date

Test Witness By Company Name

Hide accreditation logo ☐

Result status Indication

Print of test report

Browser address bar: <http://localhost:35553/mm/Pages/homePrint.aspx?smid=1149> Unite Soft LIMS

LIMS Log Out
Welcome: admin
Login Date: 29-Apr-2014 Login Time: 12:20 PM

Home Sample Inward Plan Test Result Print Specification Config Invoice Reports Admin

Customer: Sunrise Exports Intl.					Total Quantity: 3		
Inward No: R484		Inward Date: 28-04-2014		Ref./Challan No: SEI/14-15/016-018		Ref./Challan Date: 27-04-2014	
Lab No	Item Desc	Test Type	Draft Test Name	Test Name	Status	Sr. No.	Page Break
C4504						<input type="checkbox"/> PDF <input type="button" value="Update"/> <input type="button" value="Print"/>	
C4504	Cut Piece		Chemical	CHEMICAL ANALYSIS BY SPECTRO (OES)	Complete	<input type="text" value="0"/>	<input type="checkbox"/>
C4505						<input type="checkbox"/> PDF <input type="button" value="Update"/> <input type="button" value="Print"/>	
C4505	Cut Piece		Chemical	CHEMICAL ANALYSIS BY SPECTRO (OES)	Complete	<input type="text" value="0"/>	<input type="checkbox"/>
C4506						<input type="checkbox"/> PDF <input type="button" value="Update"/> <input type="button" value="Print"/>	
C4506	Cut Piece		Chemical	CHEMICAL ANALYSIS BY SPECTRO (OES)	Complete	<input type="text" value="0"/>	<input type="checkbox"/>

Invoice Master

[←](#)
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<http://localhost:35553/mm/Pages/InvoiceMstr.aspx?PK=0>
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Related Links

[Invoice Master](#)
[Payment Master](#)

Invoice Master

Invoice No.

yet to be generated

Date

30-Apr-2014

Customer Details

Customer *

Ambika Steel

Contact Person

Mr.Amit

Address *

Shop No.9,Munani Trade Centre,
Opp.Shailesh Ind.Complex,Opp.Lutthri House,

Customer Alias *

Ambika Steel

Tel No.

9324253608/9321170202

Fax No.

Email ID

NA

Test Sample Details

Select Samples

Selected Samples

Retrive

Lab Ref No. *

Ref/ Challan No

Ref/ Challan Date

Due Date

Payment Terms

Add Row

Test Sample	Test	Test Caption	Element	Quantity	Rate	Amount	Page Break
1 MS Rod	TENSILE TEST	TENSILE TEST					<input type="checkbox"/>
2 MS Rod	Chemical	Chemical Analysis	5	50			<input type="checkbox"/>
3							<input type="checkbox"/>

☐ Discount
 Gross Total

Service Tax @ 12%

Edu. Cess @ 2%

H Edu. Cess @ 1%

Rounding Off

Net Payable Rs.

Amount in Words

Save & New

Save & List

Save

Edit

Cancel

Delete

Back

Message Template

LIMS

Welcome: admin
Login Date: 30-Apr-2014 Login Time: 05:52 PM

Home Sample Inward Plan Test Result Print Specification Config Invoice Reports Admin

Message Template

Details

Subject: Message Type:

Description:

\$CustomerName\$

Dear \$ContactPerson\$,

We have received sample(s) with following details for testing at our laboratory. Your sample identification at our lab is listed against the Lab ID field in below mentioned table.
Kindly mention this Lab ID for all future sample related inquiries. Review the details carefully.

Your User id:\$UserID\$

Password: \$Password\$

body p

Below are the list of codes, that you may use to create template

Contact Person	\$ContactPerson\$	Customer Name	\$CustomerName\$	User ID	\$UserID\$	Password	\$Password\$	Material Info	\$MatInfo\$	Total Quantity	\$Qnt\$
Sample Inward No.	\$SIN\$	Collected Date	\$CollectDate\$	Collected By	\$CollectBy\$	Report Issued to	\$ReportIssuedTo\$	Ref. No.	\$RefNo\$	Ref. Date	\$RefDate\$

Save & New Save & List Save Edit Cancel Delete Back

Client Login Panel

http://localhost:35553/mm/client/ Unite Soft LIMS

LIMS
Input your user id and password to continue

Username

Password

Login

Client Report access

<http://localhost:35553/mm/client/samplelist.aspx>

LIMS

Welcome: Sunrise Exports Intl. [Log Out](#)

Select Lab No. to Print

Search

<-Select-->

SEARCH

50

Result Per Page

Lab No.	Ready to view	SIN	Collection Date	Collection Time	Reference No	Reference Date	Sample Desc	ID/Heat No.	Sample Size/Range	Material Spec.
C4506		R484	28-Apr-14	13:15:25	SEI/14-15/016-018	27-Apr-14	Cut Piece	Heat No.C21834	150 RCS	AISI 4140
C4505		R484	28-Apr-14	13:15:25	SEI/14-15/016-018	27-Apr-14	Cut Piece	Heat No.FS14-0402	120 CC	S.S.316L
C4504		R484	28-Apr-14	13:15:25	SEI/14-15/016-018	27-Apr-14	Cut Piece	Heat No.FS14-0401	200 CC	S.S.316L
C4376		R421	25-Apr-14	11:46:23	SEI/14-15/010-015	23-Apr-14	Cut Piece	Heat No.526	110 mm Dia	AISI 4130
C4375		R421	25-Apr-14	11:46:23	SEI/14-15/010-015	23-Apr-14	Cut Piece	Heat No.517	120 mm Dia	AISI 4130
C4374		R421	25-Apr-14	11:46:23	SEI/14-15/010-015	23-Apr-14	Cut Piece	Heat No.523	120 mm Dia	AISI 4130
C4373		R421	25-Apr-14	11:46:23	SEI/14-15/010-015	23-Apr-14	Cut Piece	Heat No.505	120 mm Dia	AISI 4130
C4372		R421	25-Apr-14	11:46:23	SEI/14-15/010-015	23-Apr-14	Cut Piece	Heat No.E43621	180 RCS	AISI 4130
C4371		R421	25-Apr-14	11:46:23	SEI/14-15/010-015	23-Apr-14	Cut Piece	Heat No.E43621	160 RCS	AISI 4130
C3853		R207	16-Apr-14	10:39:54	SEI/14-15/009	14-Apr-14	Forging	Heat No. 17671		AISI 4130
C3852		R206	16-Apr-14	10:35:34	SEI/14-15/008	14-Apr-14	Forging	Heat No. 14715		AISI 4130
C2678		R1	25-Mar-14	13:14:19			Forging			CT 20

Click on record link to view

MIS and report



Thank You!

