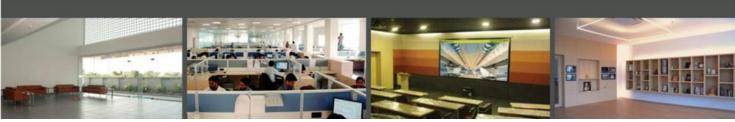
# **DiaSoft<sup>TM</sup>**

Complete Diamond Manufacturing Solution

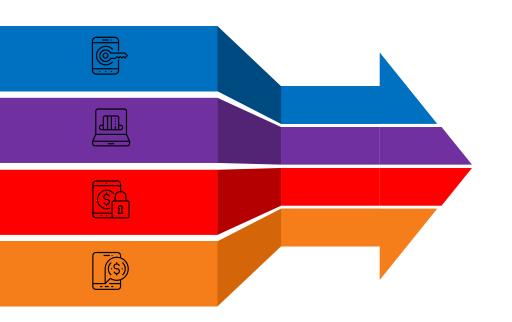


# **GROUP PROFILE**





# **Group Profile**



Leading consulting & technology service provider specialized in providing a host of value added services to various manufacturing and service industries worldwide including Gems & Jewellery, Pharma & Chemicals, BFSI etc.

Part of RSM International and RSM India, the 6<sup>th</sup> largest accounting-consulting groups globally and in India respectively.

## **Group Companies**

**Lemon Technologies Pvt. Ltd** 

**Lemon Consultech India** 

Lemon Consultech BVBA

**Lemon Financial Advisors LLP** 



**Lemon Consultech DMCC** 

**Lemon Consultech HK Ltd.** 

**Lemon Technomist Pvt. Ltd.** 

# **Our Strengths**

Multi-disciplinary team of Software developers, Application developers, IT Engineers and other professionals

Technology team of 200+ personnel

Clients include companies from the Gems & Jewelry industry worldwide along with other manufacturing and service industries



Specialized in providing host of value added IT consulting & professional IT services

Offer creative and innovative solutions to solve business problems

#### **Vision & Mission**

To offer innovative and creative services for the beneficiation of our customers worldwide such that our services enable them to transform the way in which they do business.

#### **Vision**





#### **Mission**

To deliver excellence in all our services to enable our esteem customers to excel in their own business. We do this by providing valueadded services leveraging our vast domain knowledge, blending of IT with various business domains, specialized multi disciplinary skills and international professional expertise

#### **Awards & Accolades**





'Most Innovative IT Company' by GJTCI for 2014-15 in Ahmedabad

# Lemon Technomist:

Awarded the 'Most Innovative Company' by GJEPC for 2014-15, 2016-17 and 2018-







Both these companies appear in the list of Top 100 Companies by "The New Jeweller Magazine"

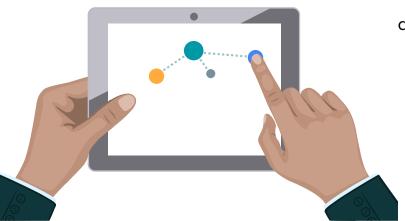
# **DiaSoft<sup>TM</sup>**

Complete Diamond Manufacturing Solution



#### **Macro Features**







Complete diamond sourcing, processing, sales and accounting solution



Multi company, multi entity and multi node structure



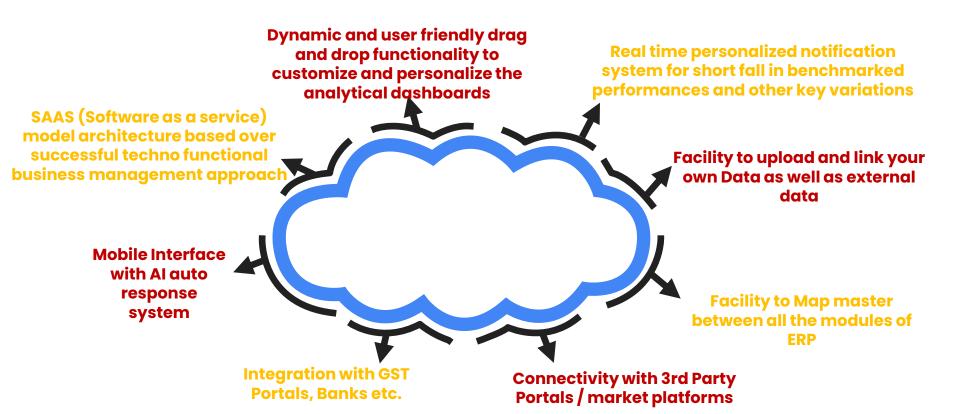
Group company concept for better viewability and reporting of more than 1 companies





Latest state of the art technology platforms being utilized like Oracle 12c – Fusion Middleware, Oracle 12c forms and reports, Oracle 19c database, MySQL, PostgreSQL etc

# **Key Unique Features**



# **Database Security**

No direct access to database server but accessible only through multi factor authentication

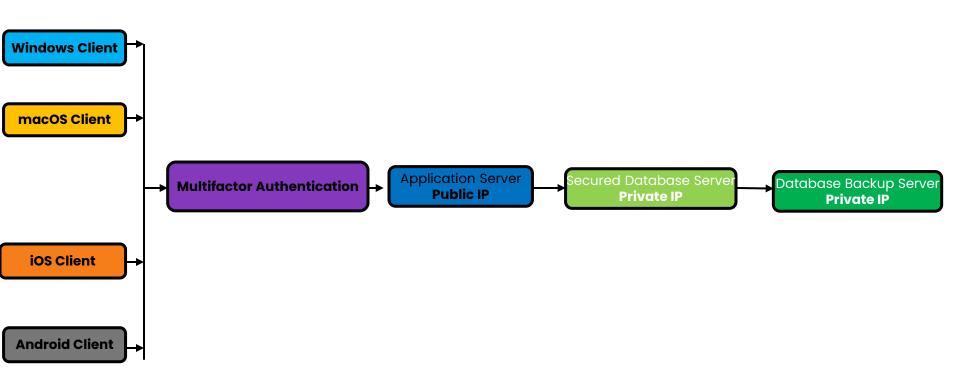
Configured automated backups and snapshots for database disaster recovery

Encryption of data in transmitted using SSL as well as data in underlying storage is also encrypted

Respective regional compliance certification i.e. MeitY for India, EN 301 549 for Europe

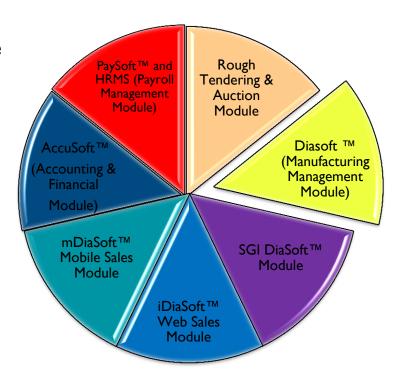
ISO 27000 Compliant

# **Database Security Structure**



#### **Different Modules**

- Rough & Polish Diamond Tender & Auction Module
- DiaSoft <sup>™</sup> Manufacturing Module
- Sales and Global Inventory Module
- iDiaSoft- B2b Web sales Module
- mDiaSoft-Mobile Sales Module
- AccuSoft Enterprise <sup>™</sup> Accounts and Financial Module
- PaySoft ™ Payroll Management Module
- HRMS ™ Web based HR Management Module
- Cobalt Artificial Intelligence Tools
- Learning Management SkillTest, ChecklT, Compliance Dashboard and other solutions!



#### **Salient Features**



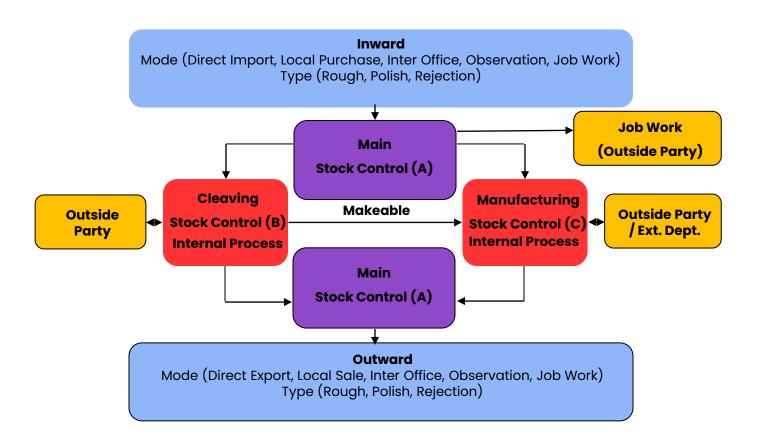
- Stock transit acknowledgement and confirmation based System
- 2D Barcode/RFID/NFC /QR Code Enabled
- Real Time Stock Reconciliation
- Rough Purchase Decision Support System, providing historical rough purchase analysis through mobile application
- Different levels of stone prediction
- Machine Maintenance & Utilization details
- Employee Performance Measurement and Worker grading system
- PPC module for Production, Planning and Control through Load Balancing and Requisition
- Labour Calculation for Employees and External Parties
- · Worker idle time calculation
- Dynamic Report Generation Tool

#### **Salient Features**

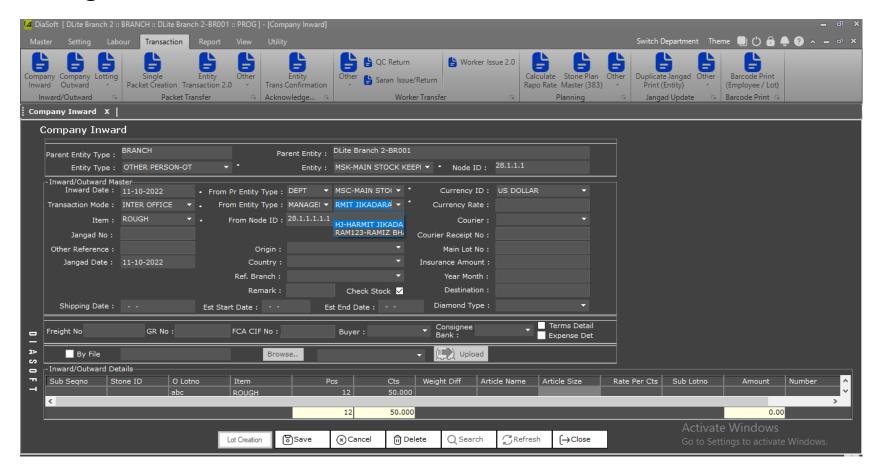


- Parameter tracking during different stages of process cycle
- Variance control over stone parameter value
- Graphical Parameter Comparison Reports
- Demand / Program follow up module
- Attendance system linked with transaction control
- IOT integration with weighing scale, Sarin and other interlinked utilities
- Automated packet issue system to reduce human intervention and to build a robust system.
- System driven and not man driven to eradicate human errors.
- Price Change Plan Effect Advisor to identify market fluctuations
- RFID LED Tag Integration for stock tally and stock searching

#### **Macro Level Process Specification**



#### **Rough Inward**

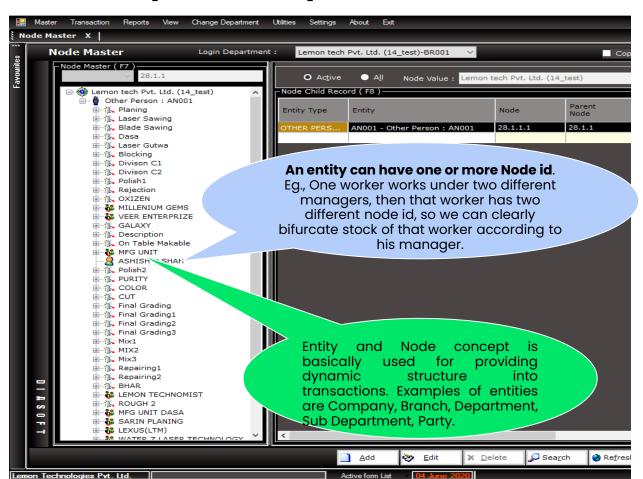


# Node Generation/ Factory Hierarchy

By using this node concept, user can set the transaction flow for the entire structure

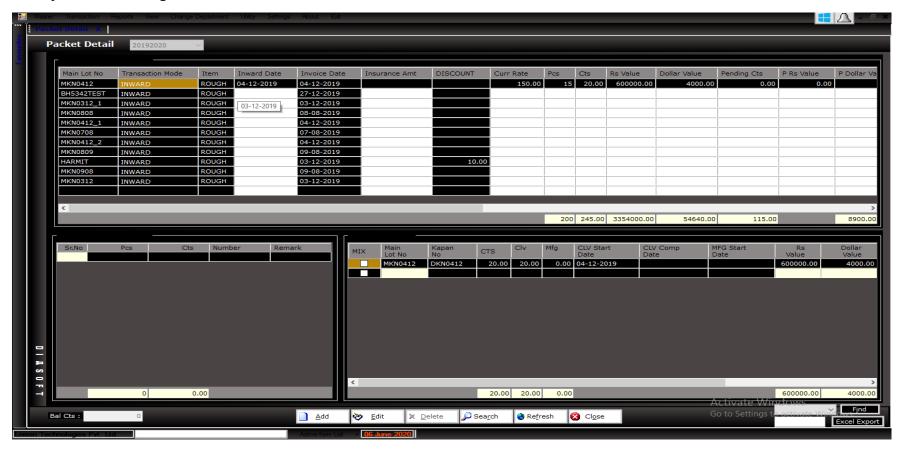
Stock bifurcation is very easy due to this node id

Entities are able to transfer a stock to any other entities but after create node under that entity



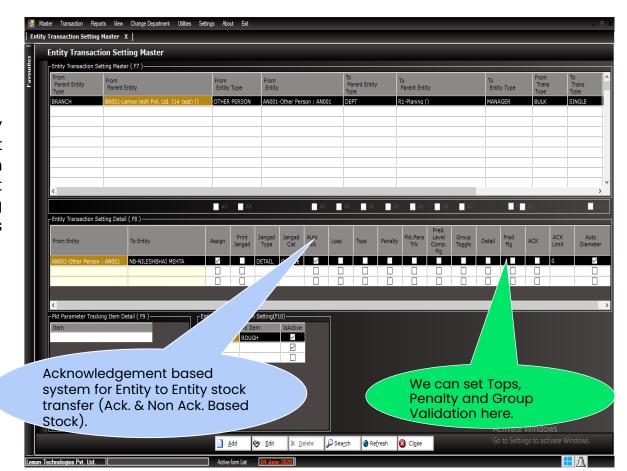
#### **Invoice Wise Stock**

Complete Tracking of Invoice till outward from one view with value and balance.



#### **Factory Goods Movement Flow**

User can configure Any transactions entities that can transact with each other Acknowledgement and Challan printing Rough and Polish groups that can be transacted



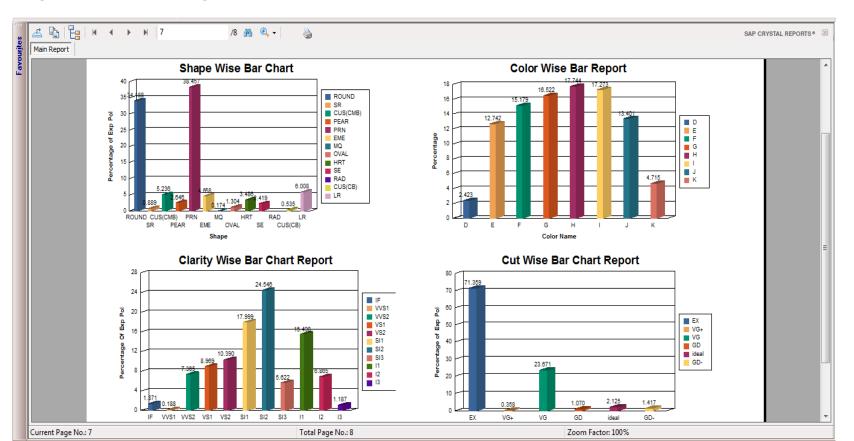
### **Single Packet Prediction Reports**

This report provides comparison of value at different levels of processes

								1	tech P	.4 1 4-1															
	720, Belgium Tower, Ring Road, Surat, Gujarat, India																								
								Packet P	rediction	All Level															
ate: 24-	-08-20151	19:13:17											Note:	All Value	s in R	enort a	re Es	timater	Values						
	27		Ora Boo	07		0-	n Ctn	558.260								эрэнч									
Lotno R1	31		Org Pcs	87		Or	g Cts	336.260																	
-4	M Pkt	M Col	R. Cts						SIGNE												CHECKER				
Lotno	no			Pktno	Emp	Col	Purity	Shape Cut	Flour E	xp Pol Ba		st Value Ex	cp Pol %	Avg Rate	Pktno		Col		Shape			Exp Pol Ba			
X137	1		5.470	2	A 10	0	CIA	OHO(OB) E4	MED	4 54	35	5012.87	E0.05	557.00	1	DS	1	VS2	LR	EX	FNT	3.01	42 35	2007.67 5551.85	55. 52.
	2	UV	9.630	113	AJS AJS	G G	SI1	CUS(CB) EX	MED MED	4.51 1.08	41	356.83	58.05	557.60	113	DS DS	G	SI1	ROUND	VG	FNT	4.01 1.01	34	319.97	52.
	3	PP	8.200	3	ABS	Н	SI1	ROUND EX	FNT	3.09	21	3637.24	44.63	450.48		AN001		VS1	SE	GD-	MED	4.00	0	3.00	48.
			-	3	ABS	Н.	VVS1	PEAR EX	FNT	0.34	35	37.57				7 11 100 1			_	-			0		
			l	3	ABS	Н	VVS1	PEAR EX	FNT	0.23	41	19.13											0		
	4	UV	5.560	4	PKP	F	SI1	PRN EX	N	2.51	21	2201.02	50.72	479.50	4	DS	F	VVS2	EME	ideal	N	2.13	34	2150.87	53
				4	PKP	F	VVS2	ROUND EX	N	0.31	40	465.00			4	DS	F	VVS2	HRT	EX	N	0.82	30	264.04	
	5	YZ	5.000	5	MVB	F	11	OVAL EX	N	1.46	12	385.44	56.20	311.99		DS	Е	VVS2	ROUND		FNT	1.33	34	1220.14	52.
		TT1 D	5040	5 6	MVB	F	VVS2	ROUND EX	N	1.35 2.71	25 18	1174.50 1333.32	57.39	259.10	5	DS	E	SI2	LR	EX	FNT	1.30 2.55	25 18	507.00 1254.60	54.
	6	TTLB	5.210	6	TNS	J	SI1 VVS1	PRN VG EME EX	FNT	0.28	49	16.57	57.39	259.10	6	DS DS	J	SI1 VVS2	PRN LR	EX EX	FNT	0.30	60	168.00	54.
	7	K+	5.150	7	PKP	Н	VS2	ROUND VG+		2.01	47	1384.89	45.83	270.67		AD	Н	VS2	ROUND		STG	2.01	40	1567.80	39.
	'		J. 130	7	PKP	H	VS2	PRN EX	STG	0.20	56	9.06				~	-"-	V-02	TOORD		010		0		
				7	PKP	Н	VVS2	PEAR EX	STG	0.15	121												0		
	8		6.650	8	SPZ	D	VVS2	ROUND EX+	N	1.51	32	2166.55	37.89	493.62		AD	Е	SI2	CUS(CN		N	3.01	22	2488.67	67.
				8	SPZ	D	VVS2	ROUND EX	N	1.01	35	1116.05			8	AD	Е	SI1	CUS(CB		N	1.51	26	9497.90	
	9	H+	5.240	9	PKP	G	SI3	PRN EX	N	1.51	22	565.34	48.85	143.56		DS	E	13	ROUND		N	1.25	20	160.00	44.
	10	1.	7.400	9	PKP	G	12	PRN EX	N	1.05	11	186.90			9	DS DS	E	SI2 VVS2	ROUND	EX	N N	1.10 0.40	18 29	613.36 90.88	5.
	10	U+ G-	5.370	11	SBS	G	SI2	PRN EX	N	3.05	21	2337.22	75.61	506.86		DS	G	SI1	PRN	EX	N	3.01	26	2784.25	74.
	1 "	ľ	5.570	11	SBS	G	SI1	PRN EX	N	1.01	32	384.61		555.00	11	DS	G	SI3	PRN	VG	N	1.01	28	283.61	
	12	-	8.710	12	AJS	ī	SI2	PRN EX	N	3.02	24	1790.26	65.90	344.79		DS	J	SI3	PRN	VG	N	3.01	20	1155.84	69
			<u></u>	12	AJS	l.	SI3	PRN EX	N	2.72	9	1212.85			12	DS	J	SI2	PRN	EX	N	3.01	23	1529.68	
	13	H-	7.700	13	AJS	- 1	SI2	PRN EX	N	2.01	25	964.80	48.57	175.67		DS	J	11	PRN	VG	N	4.20	-2	1756.44	58.
	1		Г	13	A IS		12	DRN FY	N	1 73	-18	387 87			13	ns	1	14	BUTIND	FY	N	0.30	33	20 10	

# **Single Packet Prediction Reports**

#### **Graphical view for final parameters**



#### **Single Packet Prediction Reports**

This report provides comparisons of parameters and value between 2 level of planning

#### Lemon tech Pvt. Ltd.

720, Belgium Tower, Ring Road, Surat, Gujarat, India

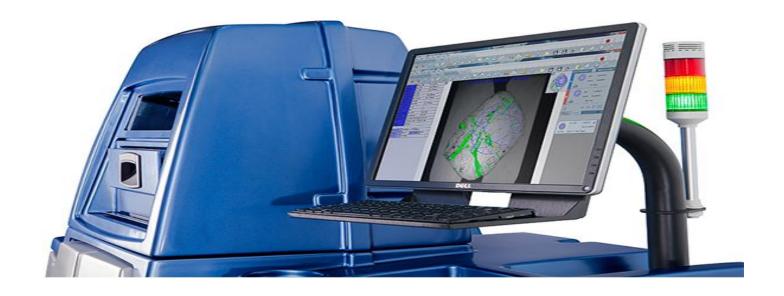
#### **Prediction Compare Report**

Note : All Values in Re	eport are Estimated Va	dues .
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DateTime: 24-08-2015 19:15:29

Note:	All Valu	es in Re	port are Estima	ated values .												ate i ime : 24-00-7	2010 10110120	
Lotno	M. Pktno	Pktno	Pred LvI	OrgCts	MkblCts	ExpCts	Yld	Shape	Col	Purity	Cut	Fluor	Mlk	Rap	Disc %	Est Value	Est Rate Diff.	Remark
X137	2	2	SIGNER	9.63		4.510		CUS(CB)	G	SI1	EX	MED	NN	1710.00	35	5012.87	538.98	
			CHECKER	9.63		4.010		ROUND	G	SI1	VG	FNT	NN	2130.00	35	5551.85		
		113	SIGNER	0.00		1.080		PEAR	G	SI1	ΕX	MED	NN	560.00	41	356.83	-36.86	
			CHECKER	0.00		1.010		PEAR	G	SI2	VG	FNT	NN	480.00	34	319.97		
X137	3	3	SIGNER	8.20		3.090		ROUND	Н	SI1	EX	FNT	NN	1490.00	21	3637.24	-3634.24	
			CHECKER	8.20		4.000		SE	F	VS1	GD-	MED	ML4	0.00	0	3.00		
X137	4	4	SIGNER	5.56		2.510		PRN	F	SI1	EX	N	NN	1110.00	21	2201.02	-50.15	
			CHECKER	5.56		2.130		EME	F	VVS2	ideal	N	NN	1530.00	34	2150.87		
	İ	4	SIGNER	5.56		0.310		ROUND	F	VVS2	EX	N	NN	2500.00	40	465.00	-200.96	
			CHECKER	5.56		0.820		HRT	F	VVS2	EX	N	NN	460.00	30	264.04		
X137	5	5	SIGNER	5.00		1.460		OVAL	F	11	EX	N	NN	300.00	12	385.44	834.70	
			CHECKER	5.00		1.330		ROUND	E	VVS2	EX	FNT	NN	1390.00	34	1220.14		
	İ	5	SIGNER	5.00		1.350		ROUND	F	VVS2	EX	N	NN	1160.00	25	1174.50	-667.50	
			CHECKER	5.00		1.300		LR	E	SI2	EX	FNT	NN	520.00	25	507.00		
X137	6	6	SIGNER	5.21		2.710		PRN	J	SI1	VG	FNT	NN	600.00	18	1333.32	-78.72	
			CHECKER	5.21		2.550		PRN	J	SI1	EX	FNT	NN	600.00	18	1254.60		
X137	7	7	SIGNER	5.15		2.010		ROUND	Н	VS2	VG+	STG	NN	1300.00	47	1384.89	182.91	
			CHECKER	5.15		2.010		ROUND	Н	VS2	EX	STG	NN	1300.00	40	1567.80		
X137	8	8	SIGNER	6.65		1.510		ROUND	D	VVS2	EX+	N	NN	2110.00	32	2166.55	322.12	
			CHECKER	6.65		3.010		CUS(CM	Е	SI2	EX	N	NN	1060.00	22	2488.67		
									_									

# **Sarin Advisor Integration**



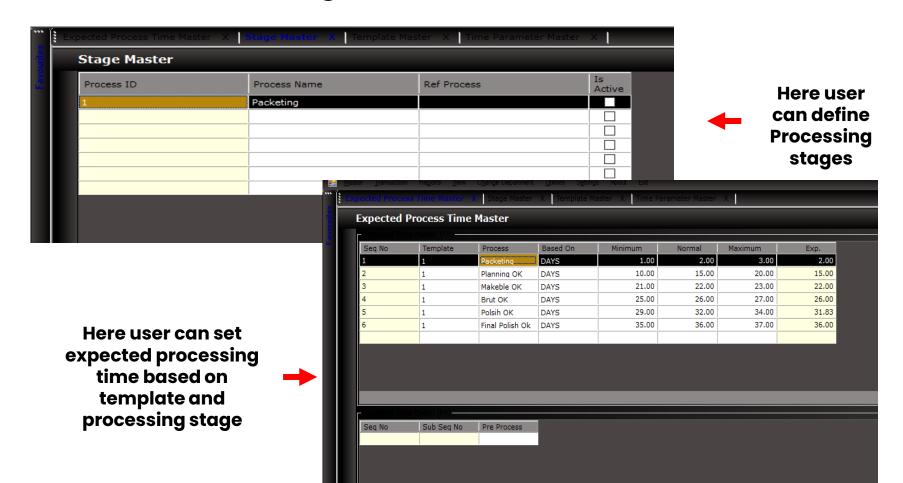
- ❖ Bridge between two Different Systems
- ❖ Module to fetch pricing from Diasoft™ and give it to Sarin Advisor
  ❖ Application to decide best plan for Stone
- ❖ Manual effort to upload pricing in SARIN machine is eliminated

### 4P Plan Scan From 2D Barcode/QR Code



- In diamond industry, confidentiality is very important.
- ❖ So we have implemented the 2D barcode/QR code system to hide the parameters and same can be used in 4P machine to upload parameters of diamond.

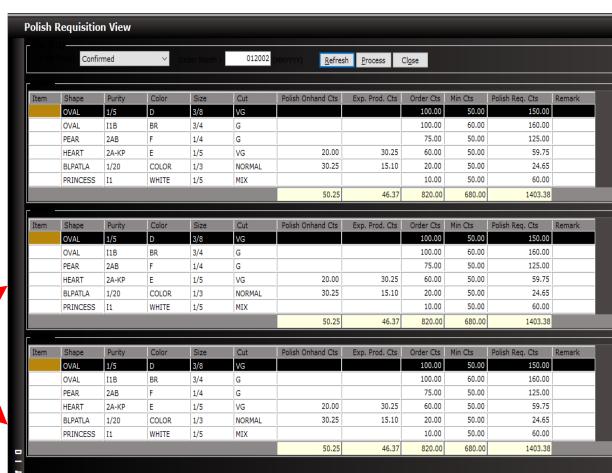
### **Production Processing Control**



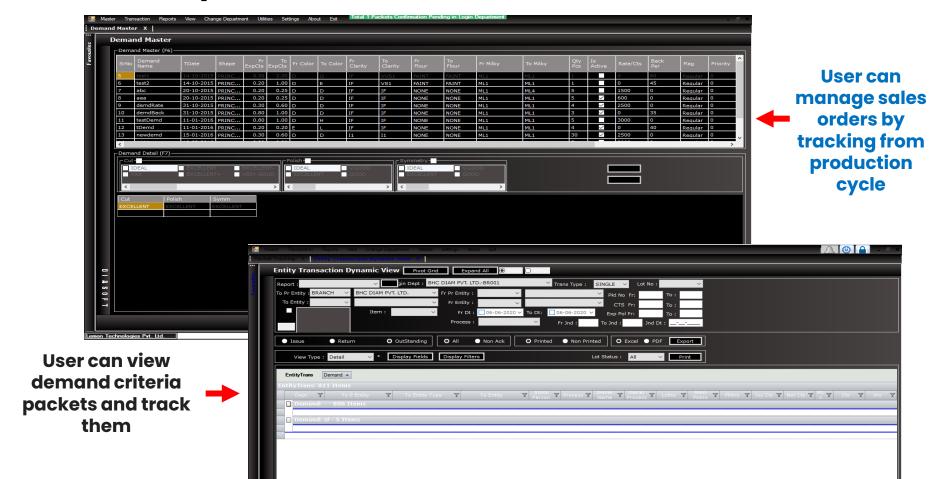
### **Production Processing Control**



Next 2 Months expected production

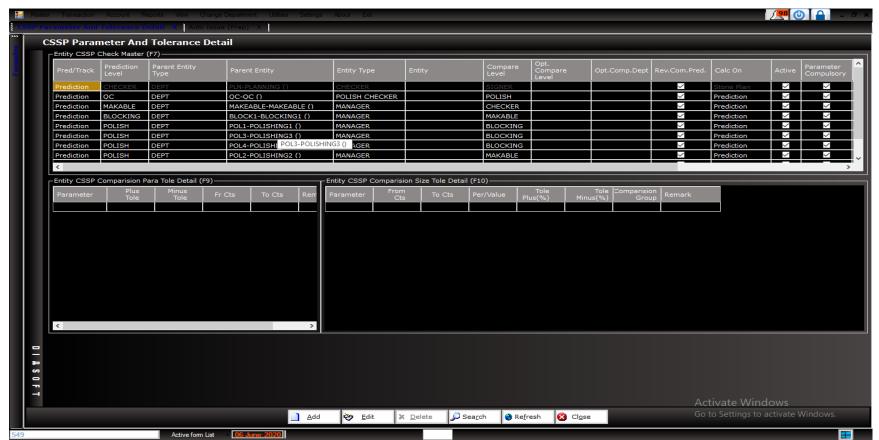


#### **Demand System**

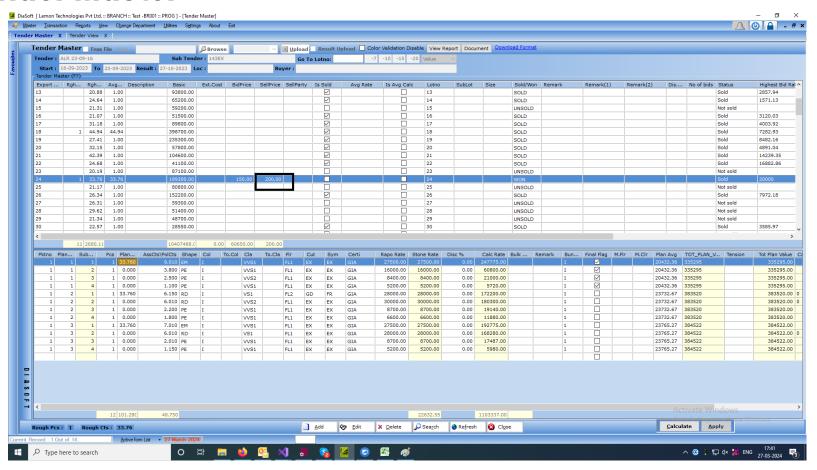


#### **Auto Damage Calculation**

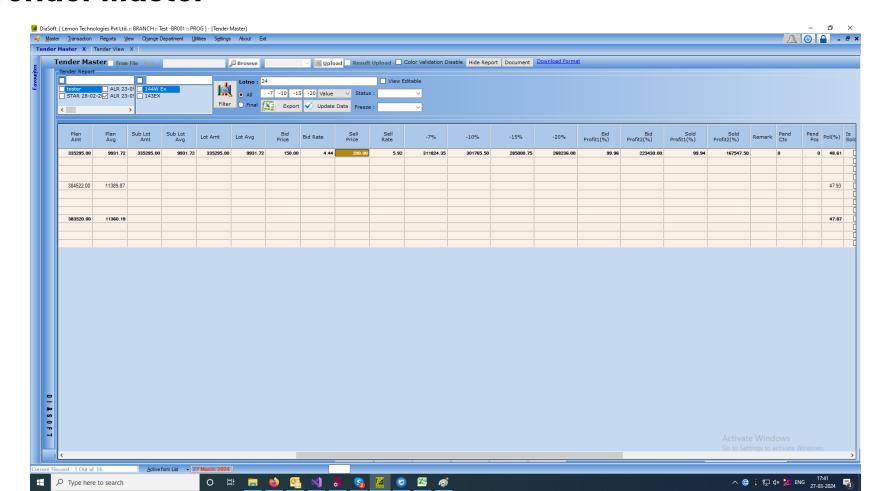
Auto damage can be calculated based on tolerance setting of parameters



#### **Tender Master**



#### **Tender Master**



# **Auto Weight Capture**

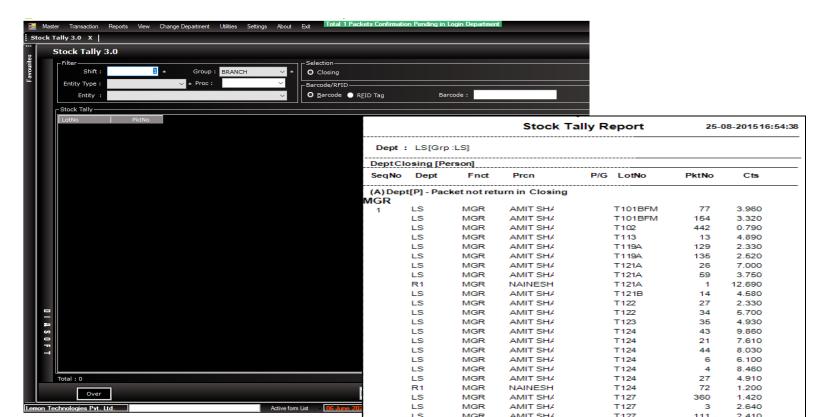
User can capture weight directly from machine





# Stock Tally System – Single Packet

- We can tally stock by scanning barcode or RFID Tags
- System will display mismatched packets to identify stock issue



#### Other utilities

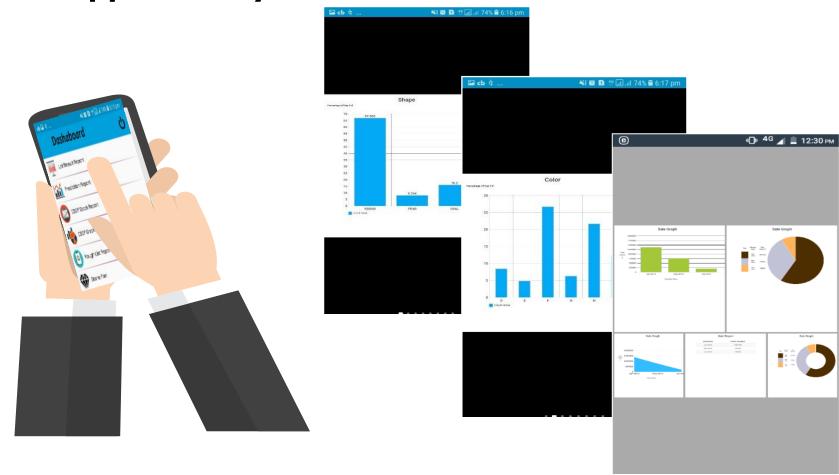
- Fingerprint integration to validate and authenticate any transaction of issue-return or acknowledgement etc.
- Eliminates risk of frauds and error in stock
  movement.





RFID LED Tag Integration through which User can easily find the packets from bulk stack of packets.

# **Mobile App for Analytics**



#### Some Of Our Esteemed Clients







































































# **Our Technology Partners**

















