Garment Analyzer (GA)

-Complete Sewing Productivity Improvement Solution





www.EfficientERP.com

GARMET ANALYZER

Industrial Engineering Module of eERP

True open platform Predetermined motion time system

Ultimate in

- ✓ Time Standard.
- ✓ Worker Assessment Solution
- Line balancing solution with Real Life Line Balancing
- √ Thread Consumption



To Improve

- ✓ Productivity by around 15%
- ✓ Quality
- ✓ Manufacturing Methods
- ✓ Response to customer Needs
- ✓ Traceability
- ✓ Communication & Worker Satisfaction



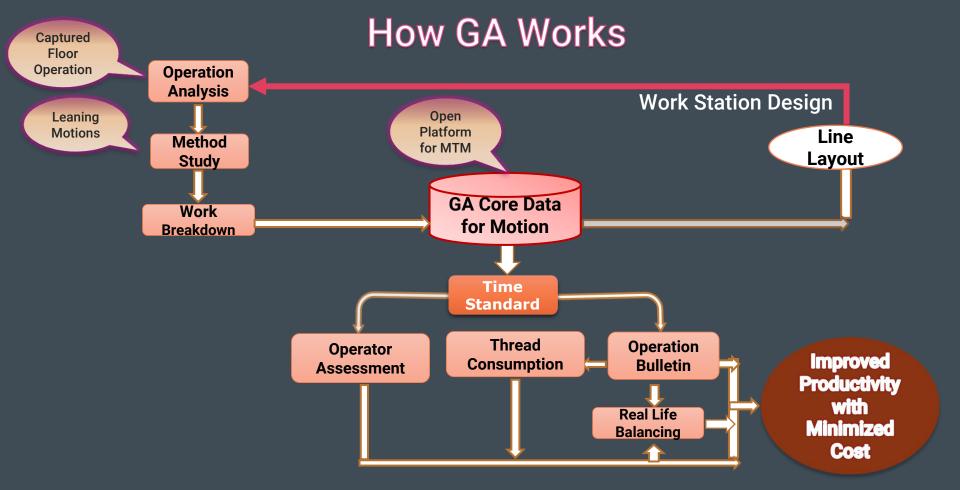
To Standardize

- ✓ Operation
- √ Style Operation Breakdown
- ✓ Worker Recruitment Procedure
- ✓ Thread Consumption
- ✓ Worker Assessment Procedure
- ✓ Product Costing

To Anticipate

- ✓ Absenteeism with Real Life Update of Skill Inventory
- ✓ Loss of Productivity by Real Life Balancing





Introduction to Garment Analyzer

- GA is the methods management system and is a Open Predetermined Motion Time System (OPMTS), designed specifically for the sewn products industry.
- Its primary function is to rationalize manufacturing methods and to produce an accurate evaluation of the time required to perform a specific task or operation.
- The system consists of three parts

 the inherent GA Database itself, which
 forms the heart and integrity of the system
 - the GA Data Process Which Process All The Calculation To Enhance the data processing
 - and GA in core a cloud software, which is the vehicle that "drives" the data





Key Features

Flexible Predetermined Motion
Time System

Perfect Standard Time for All Sewing Operations

Fully Customized Solution

Built in Mailing System for Operation Bulletin & Worker

Reaf-time skill inventory update to cope up absenteeism and enhance productivity

Unique optimized line balancing system to ensure optimum productivity

Real-life line balancing with the actual operator and proper utilization of the worker



Pitch Diagram to Find Bottleneck easily

Support line balancing for modular production system.

Create Visual Drag and Drop Line
Layout Directly from Operation
Bulletin

Automatic Thread Consumption

Export Data to Excel, pdf, XML etc.

Built in Report Builder to Build unlimited reports to meet your satisfaction



Garment Analyzer Deliverables

Substantial time reduction for style costing and style introduction.

Data transfer capabilities to other systems.

Rapid quantification of changes in design, materials, volume, technique and quality.

Efficiency of operator training via method specification.
Reduction of clerical

Improvement in overall consistency rates.

Reduction of clerical time.

9

14

Evaluation and justification of new equipment and methods

Optimum productivity with selecting appropriate worker for appropriate

Setting and pre-engineering of consistent and accurate rates.

operation Standardize and Flexible system for Worker Assessment and Recruitment

Elimination of lost business caused by overpricing of jobs.

For modular lines one can make operation bulletin within 10 min with real worker's capacity with an enhance flexibility in worker selection.

Elimination of lost income caused by under-pricing of jobs.

Overall management of manufacturing standards data base.

3

6

GARMENT ANALYZER REPORTS





Efficient Garment Planner Ltq. Operation Bulletin																	
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3 Back Po	ocket Iron		36 CM	S		PTB	0.45	1	6	120	02. BACK	-0					10560:
4 Back Ye	oke Join		29 cm	Q		DNCHST	0.35	1	18	120	02. BACK						10560
5 Back Ri	tise		36 cm	Q		FOA	0.35	1	18	120	02. BACK						10560
Back Po	ocket Att Pos	ition Mark	40 cm	Q		HP	0.5	2	15	60	02. BACK	-0					10560
7 Back Pr	ocket Attach		80cm	P		SNLS	0.7	2	9	60	02. BACK						10560
B Back Po	ocket Second	f Stitch	37cm	Q		SNLS	0.55	2	13.5	60	02. BACK						10560
9 Side Se	eparate O/I		234 CM	R		OL4	0.35	1	18	120	02. BACK						10560
Bk & Fr	ront Part Mat	ch	0	R		HP	0.3	1	24	120	04. ASSEMBLY	- 0					10560
Inseam	Join By So/l		60CM	Q		OL5	0.45	1	6	120	04. ASSEMBLY						10560
2 Inseam	Top Stc		160 cm	R		FOA	0.35	1	18	120	04. ASSEMBLY						10561
	eam Join		80 cm	Q		SNLS	0.55		13.5	60	04. ASSEMBLY						10561
4 Side Co	ord Stitch		26 cm*2	R		SNLS	0.4	1	12	120	04. ASSEMBLY						10561
	Seam Creas	ė	80 cm	R		PTB	0.4		12	120	04. ASSEMBLY	- 0					105613
6 Waist B	Belt Make		12 CM	Q		SNLS	0.25	1	30	120	04. ASSEMBLY						10561
	em Elastic Me	asure & Cut	35 CM	R		HP	1	2	15	60	04. ASSEMBLY	-0					10561
8 Elastic	Edge Tack		4 CM	R		SNLS	0.3	1	24	120	04. ASSEMBLY						105616

Report

Unique Line Optimization Technique. Flexible Layout. Unique Combination technique. Automatic Thread Consumption.



Operation Bulletin



Report

Basic Pitch diagram to find bottlenecks earlier than execution



Pitch Diagram





Report

Just click to reorder operations, reduce operator, combine, save template and more.....!



Optimization







Operation Breakdown by GA

Report

Open MTM Platform Much More Flexibleto enhance productivity



Operation

ation ID	Operation Tit Sleeve Join(silinder Type)	Operation Des 55 cm*2(silinder type)	SPC 5.50	Operation Cat	Product Category Denim Shirt	Seam Burst 0.00	Stitch Type
Picture	Picture 2	Machine OL5	RPM 3,200	Machine Time 0.24	Manual Time 0.59	Is Manual	

Operations Breeakdown

	CODE	Element	Freq	Ttl TMU	Ttl Machine TMU	Basic Time	Remarks
1	GP2H	GET PART WITH TWO HANDS	2	66.000	0.000	0.033	
2	PPAL	PUT PART TO APPROXIMATE LOCATION	2	20.000	0.000	0.010	
3	GP2H	GET PART WITH TWO HANDS	2	66.000	0.000	0.033	
4	MAP2H	MATCH AND ADD ADDITIONAL PART 2 HANDED	2	138.000	0.000	0.069	
5	FOOT	PART TO M/C FOOT	2	76.000	0.000	0.038	
6	ARPF	REPOSITION WORK	2	150.000	0.000	0.075	
7	AA2P	ALIGN TWO PARTS	10	610.000	0.000	0.305	
8	S55HB	Sewing 55 cm with Folding Condition: H and Stop Acc: B	2	0.000	493.140	0.247	
9	CBLADE	CUTTING WITH FIXED BLADE	2	66.000	0.000	0.033	

Granu Summary	(9)		1,192.000	493.140	0.043		
Basic Time	Stan Min	Capacity	Remarks	Manual %	Allow	Factory	Enteredby
0.843	0.986	60		60.400	17.000	ALL	OJLIE



Skill Inventory

Date:10-May-2017

Report

You can create unlimited reports like this by yourself



Skill Inventory

WorkerID 🔺	WorkerName 🔺	OperationName	OperationDescription	OperationStandard 🔺	Designation 🔺	MachineCode 🔺	DOJ 🔺	Grade 🔺	Line 🔺	ObservedCap
filter colu	filter column	filter column	filter column	filter column	filter colum	filter column.	filter ci	filter (filter	filter colum
107067	Salauddin	Arm hole top stitch	Arm hole TS-51 x 2 cm-wo helper-intersport-new marathon-SS Tee-Rofiq-105684	181	Snr. Operator	OL4	10-Jul-2017	Q	SF3L4	150
	Salauddin	Neck Top Stitch	N-Round neck	300	Snr. Operator	FL	10-Jul-2017	Q	SF3L4	231
107067	Salauddin	Neck Binding (FL)	N-with 1 label, 1 sho join	313	Snr. Operator	FL	10-Jul-2017	Q	SF3L4	205
107067	Salauddin	Sleeve Attach	Below 44 x 2cm-1 cut mark-LPP-RofiquI-105627	154	Snr. Operator	OL4	10-Jul-2017	Q	SF3L4	103
067	Salauddin	Side Seam	40CMx2-without Care LBL-Real SB	156	Snr. Operator	OL4	10-Jul-2017	Q	SF3L4	84
▼ 107974 (6 Items)				· ·					
107074	Angura	Neck Top Stitch	N-Round neck	300	Operator	FL	11-Jul-2017	Q	SF2L3	156
107074	Angura	Placket attach together	M-Two Placket attach together with mark	149	Operator	SNLS	11-Jul-2017	P	SF2L3	109
107074	Angura	Placket box(cross)	19 cm cross	142	Operator	SNLS	11-Jul-2017	Р	SF2L3	76
107074	Angura	Placket 1/16 T/S lower & upper	14CMx2-with nose-Asty	241	Operator	SNLS	11-Jul-2017	R	SF2L3	150
107074	Angura	Collat top stitch	1/4 edge TS-60 cm- w trim	147	Operator	SNLS	11-Jul-2017	P	SF2L3	78
107074	Angura	Pocket attach	Round w daimond 28 cm	127	Operator	SNLS	11-Jul-2017	Р	SF2L3	80
▼ 0.108035	(5 items)									
0.108035	Billal hossain	Neck Top Stitch	Frnt nk-30cm-Rohima-105763	330	Operator	FL	06-Oct-2018	Q	SF3L10	214
0.108035	Billal hossain	Arm hole top stitch	54 x 2 cm,wo helper	191	Operator	FL	06-Oct-2018	Q	SF3L10	101
0.108035	Billal hossain	Neck Rib Attach	R nk-32 cm w=1.7cm-gemo-36 creasy-motalib-109911	310	Operator	OL4	06-Oct-2018	Р	SF3L10	171
0.108035	Billal hossain	Sleeve Attach	Below 44 x 2cm-1 cut mark-LPP-Rofiqui-105627	154	Operator	OL4	06-Oct-2018	Q	SF3L10	89
4										,





Bulletin ID:2552 Style: 3550192966 Style Description: TG Denim Jegging FT

Start Laynut Design

Generate PDF



Back Yoke Join Tgt:140 Cap:171 SM:0.35 M/C:DNCHST Oid:(14)

Back Pocket Rooling

Action

Visual Drag n drop layout



Visual Layout











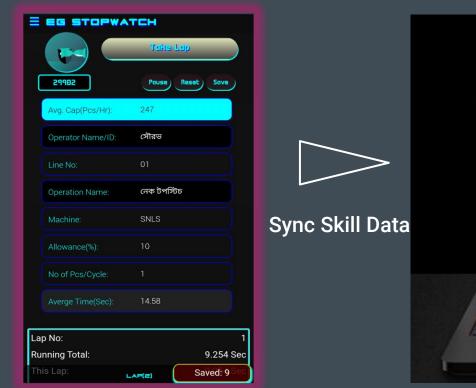






Tgt:70 Cap:60 SM:0.5

M/C:HP Oid:(27)





Study directly from your smartphone online/offline





Message From CEO.

We are living at the age of AI and in our company, Efficient ERP, we are deploying AI to solve common problems our Garment Industries are facing now a days, e.g., Increase profitability, Enhance Productivity, Better Performance, Cost Reduction, Continuous Improvement etc in a way no other company thought before. Before going for a viable solution for Garment Industries we researched, architected, and Re-engineered an Efficinet and user friendly system for more than ten years, with our vast experience we built the solution which is most prominent around the world and succefully implemented throughout many organization and made them more efficient.

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Garment Analyzer











Connect from Everywhere

Since GA is the Industrial Engineering Module of Efficient ERP which is a Cloud ERP so user can connect from any HTML5 supported device and from anywhere!

Un-Parallel Line Balancing Techniques

In Efficient ERP Lab we developed an unique line balancing technique that match perfectly for garment industries

Announce Your Gain

Generally Garments which are using GA achieved the potential efficiency gain over 10% by method improvement!

Attach Operation Videos

Attach operation videos and access them from anywhere when needed!

HA Server Cluster

To ensure your 100% uptime we have high available server cluster, for on premise deployment we'll do the same!



Meet Our Team



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Founder CEO



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