Furniture productions
VALUE CHAIN ANALYSIS









INDUSTRIAL DEVELOPMENT SECTOR

Sub Sector: -furniture making

Value Chain furniture production

OBJECTIVE

- Generally, the study was conducted to determine the present wood practices in furniture production mesfin home enterprise in muja
- District, Amharic region.

Specifically, this aims .

- Identify the Value Chain (AS IS) in furniture production.
- Compare the Value Chain (AS IS) to that of the benchmark.
- Identify the gaps and constraints in attaining high yields.
- Identify and recommend technologies that will improve furniture practice & increase productivity.
- To Substitute import production

FURNITURE PRODUCTION VALUE CHAIN (AS IS)

Input

Log
- wanza
- tide&cos o

Manufacture board

Tools &equi pment

Machine Combinatio n machine

Finishing m aterial

Fastening material

Shop organizati on

shadeTraditional

design
- photo
- Over view o bservation

manufacturing process

Material selection
- traditional

Machine ope ration
- All process Use only combination machine

Laminating
- traditional
- 48 h for air dra ying

Squaring
- Use only combination

Assembling
- Manually
- Nail & glue

Maintenance
- Monthly

Finishing

filler
- Use sawdust

Sanding
- Manually
- Using 60-120 grad e paper
- Time taken

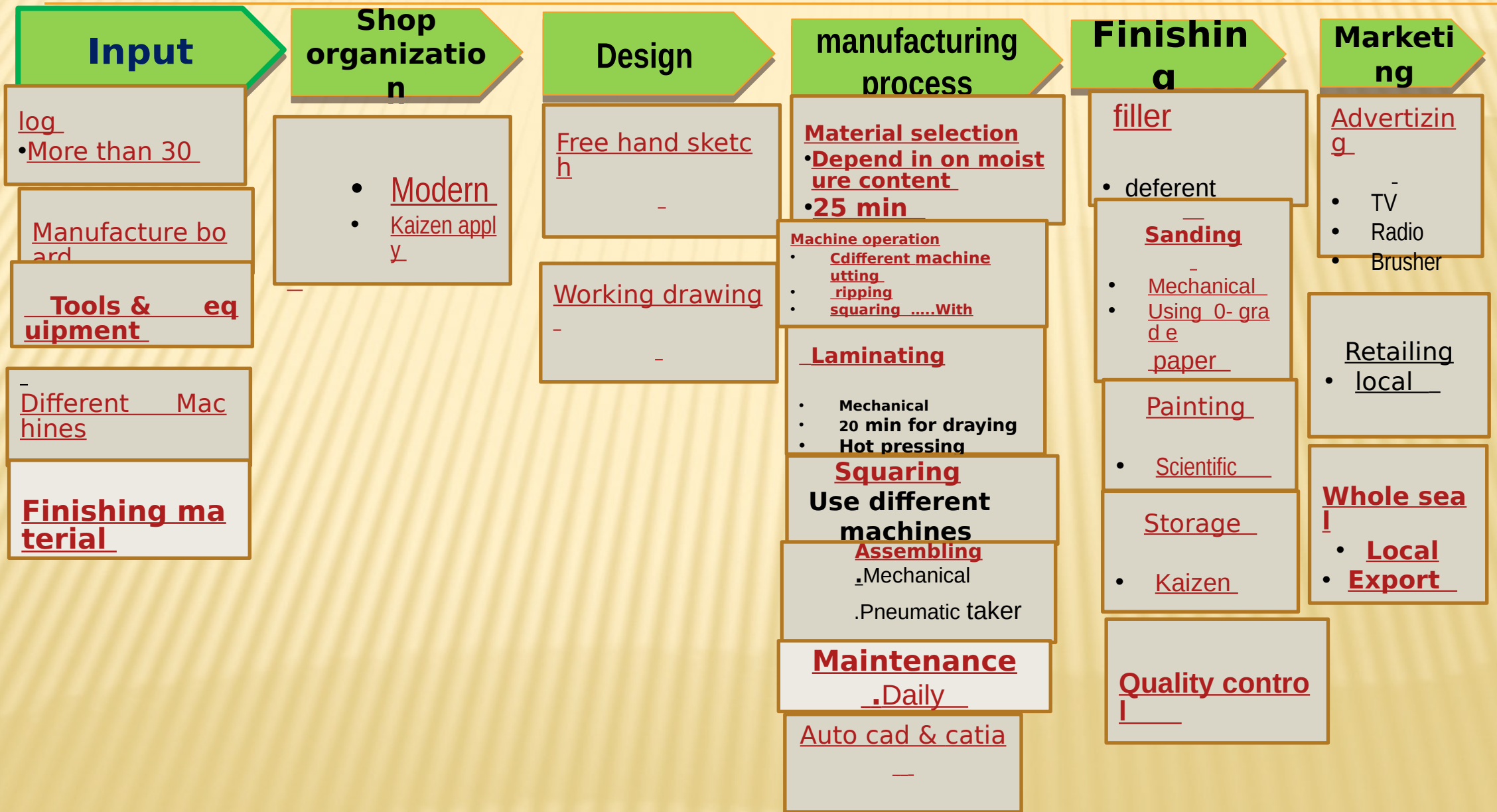
Painting
- Traditional

Marketing

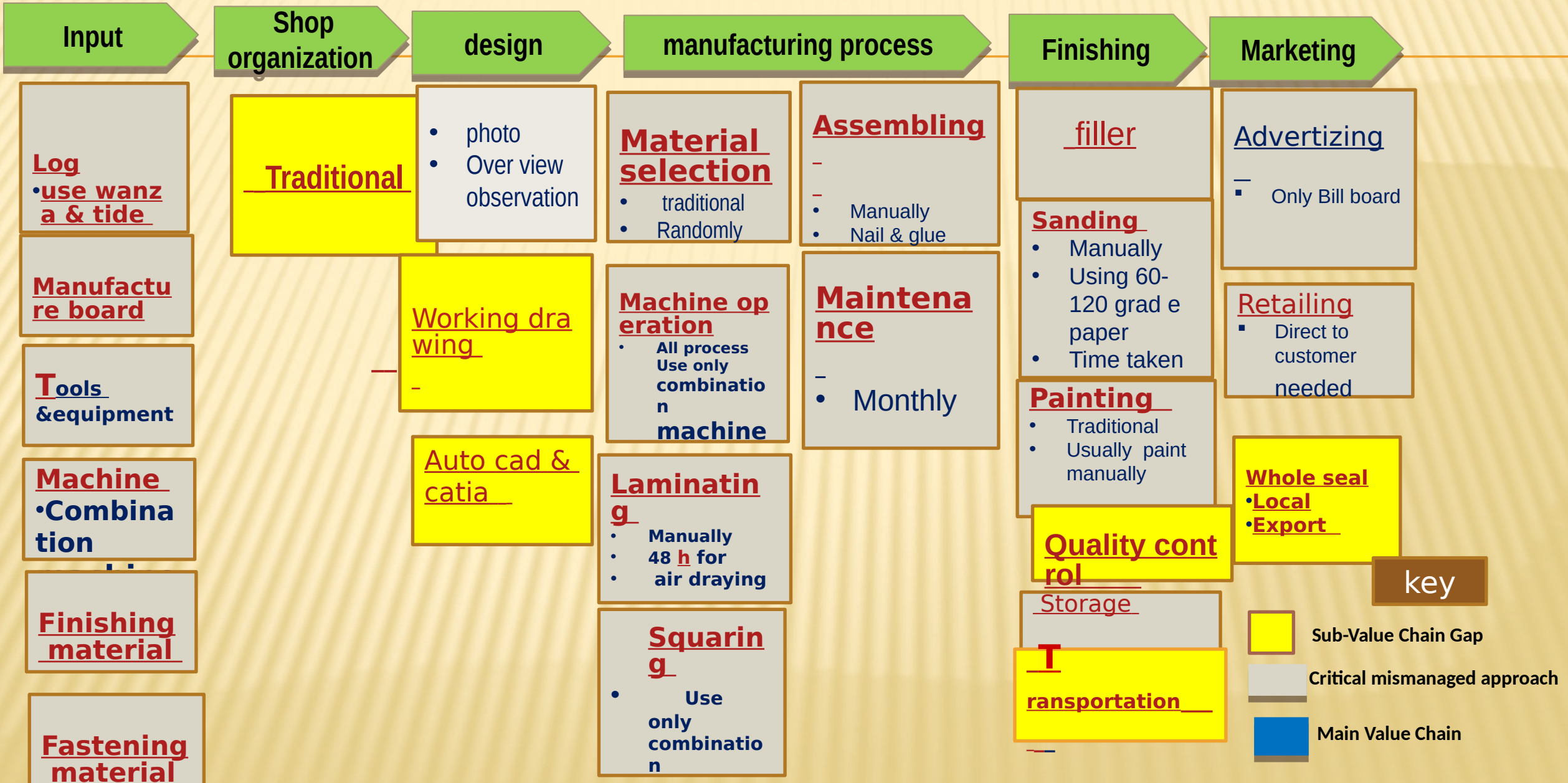
Advertizing
- Bill board

Retailing
- Direct to cust omer needed

FURNITURE PRODUCTIONVALUE CHAIN BENCH MARKS(BM) INDIA



RNITURE PRODUCTION VALUE CHAIN(GAPS/CONSTRAINTS)

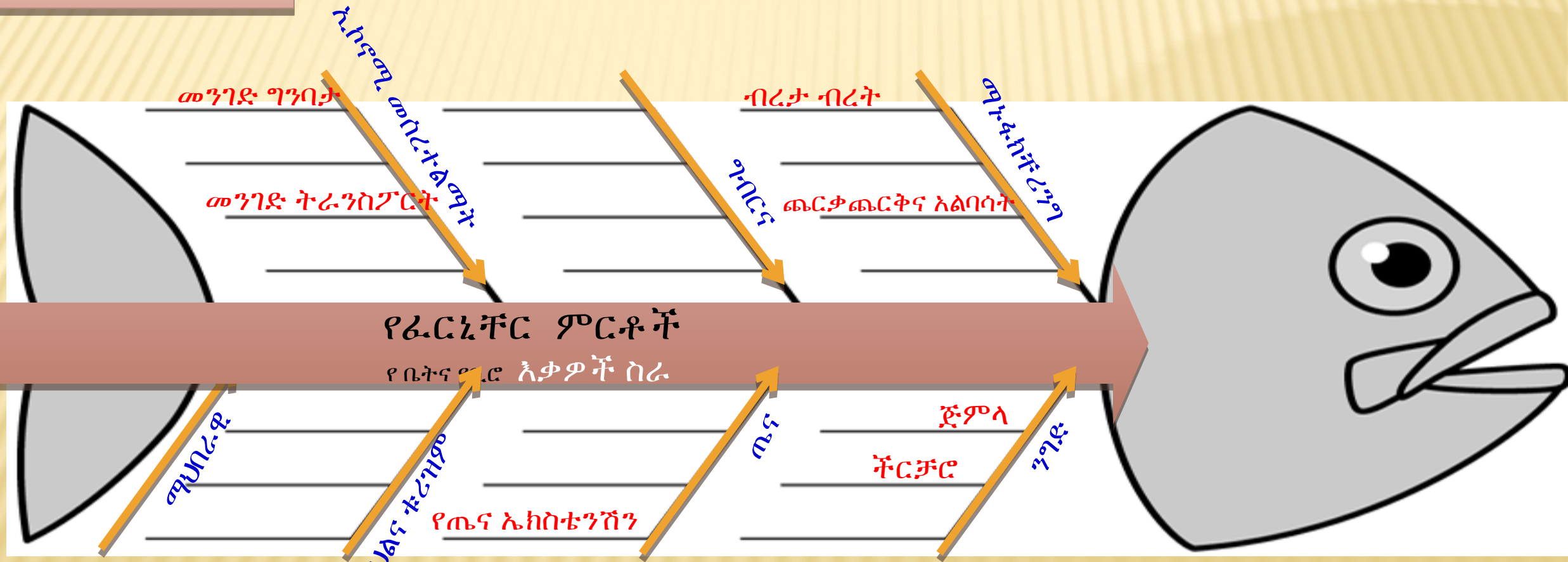


TECHNOLOGY COMPONENTS

TECHNO WARE	HUMAN WARE	INFO WARE	ORGA WARE
Jointer Machine	Jointing ability	Free hand sketching	Office room
Thicknesser	Edge squaring ability	Working drawing	Work shop room
Edger	Ripping ability	Auto cad, catia catalog	Client service room
Circular Machine	Cross cutting ability	model	Display room
Cross cutting & Ripping	Laminating press ability	Oriented information	Material room
Laminating Machine	Machine maintaining experience ability	Working process	Assembling room
Cold pressing	Finishing material selection ability		Finishing room
Hot pressing	Sanding ability		
Electrical pressing	Painting ability		
Mechanical pressing	Assembling ability		
Finishing Machine	Joint making & fitting ability		
Compressor Machine			
Roller Tool			
Driving power tool			
Pneumatic taker			
Pneumatic nail			
Types Of Joint			
Dado ,rabbit ,dovetail, grove ,finger ,mortise, dowel etc...			

የእሴት ሰንሰለቶች ተመጋጋቢነት ከትኩረት ዘርፎች አኳያ

1)ኢንዱስትሪ



No	ECHNOWATRE	PHOTO	Metal	AUTOMOTIVE	ELECTRICAL	AGRICULTURE	CONSTRUCION
1	Log					*	
	PORTABLE CUTTER		*		*		
	SAWMILL		*		*		
	tracker			*			
2	Shop building						*
*3	Machine						
	Press machine		*				
	Shaper machine		*				
	Jointer machine		*				
	Pneumatic power tool				*		
4	Electrical installation						
5	Lumber drying				*		
	Oven drying				*		
	Kline drying				*		
6	Maintenance						
	Wood machine maintenance schedule						
7	transport						

FIGURE & FACT

No	Measurement	Figure muja	Fact china
		Less quality	
1	Quality	Per a month	High quality
2	Maintenance	Lack of skillu	Per a day
3	Assembling	Poor painting mechanism	High accurate fitting
4	Paint	Using c clamp ,stone	High attractive
5	Laminating	Poor sanding apply	20 min for daring
6	Sanding	Only bill board	Fine sanding apply
7	Advertizing	Lack of customer	TV ,website ,radio etc
8	Customer	attractive appearance	Very good customer appearance
9	Kaizen	Less kaizen appl	Sustainable apply kaizen

The change that comes from bench mark

R.N	Indicators	Measurements	Bench Marks	As Is
1	High furniture production	Number of products	High	Low
2	High customers need to buy furniture products.	Strength	High Durability	Less Durable
3	Increase skills for the person	Ability	Skill full ability	Unskilled man power
4	Save product cost & increase production	Time	Less	High
5	Quality of furniture products	Quality	High quality	Low Quality

The Results that come from bench marking

R.N	Outputs	Outcomes	Impact
1	Increased furniture products	Higher market needs	Increase market linkages
2	Produced attractive designs	Attractive designs	
3	Higher job opportunity	Create new job	Reduced jobless powers
4	Quality finishing	Attract customers	Increase market linkages

EVALUATION

TIME CONSUMING PRODUCT, POOR QUALITY FINISHING, POOR ASSEMBLING SYSTEM, LACK OF SKILL,
UN ORGANIZED SHOP AND TRADITIONAL WORK PRACTICE AND POOR PRODUCT DISTRIBUTION SYSTEM

PLANNING

ACQUIRING TECHNOLOGY, PREPARING WORKING DRAWING BY SOFTWARE SUCH AS AUTO CAD,CATIA,SOLID WORK, ARRANGE ALL ACTIVITIES, GOOD MARKETING DISTRIBUTION SYSTEM

THANK YOU VERY MUCH