

2.1.2 Final Machining Output



Figure 16. Before-After of Actual Job

After the broaching machine was ready, various job trials were done on it. Machined jobs were checked with help of go and no go gauges and it is found that quality parameters of 90% of jobs were confirming to requirements. Then by some fine tuning of machine this percentage has been raised to 95%. This amount of accuracy was acceptable from customer. Fig.13 Shows the before after of the machined job.

3. CONCLUSION

From above analysis results conclusion is that the designed structure is safe enough to carry all the loads. And after manufacturing and trials it is pretty clear that the machine performs well to fulfill its functionality. Machined jobs are falling within their tolerances and auto cycle is also running as per the expectation without any fouling. At the same time cycle time achieved is fulfilling the customer expectation. Machine is equipped with the air cleaning unit and magnetic belt conveyor for easy chip removal.

4. REFERENCES

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