

# AUTO TURBO - AUTO HYDRAU DISPOSABLE/PAPER-PLATE MACHINES



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# Paper Plate Project



In today's world people use various time saving techniques to win the race against time. Considering disposables is suitably the best example. Paper plate is one such widely used commodity which we use in our daily life. It is compact, lightweight, easy to carry. Although this simple product has a variety of techniques for production. From the raw material to the press machine all of them gained access advancement in technology. The paper used for manufacturing is recyclable and eco-friendly. Due to which it can be used anywhere. The major problem faced is in the field of manufacturing of this product. Though there are a large variety of techniques available but somewhere they lack in efficiency of production or due to their overpriced cost. Therefore the proposed model is designed in such a way that it finds a proper place between the high end machines and the basic manufacturing machines. The mechanisms are synthesized in such a way that it resulted in a highly compact and powerful working machines and also at budget ranged price. Hence the future of the proposed machine is very vibrant and will enroute towards maximum utilization of the product. Disposable food service products were first developed to overhaul public health by improving practices in the food service industry. This requirement when fused with the environmental threat faced by us at the turn of the 20th Century and need of strong action in order to conserve the environment gave birth to the concept of PAPER PLATES. There are many inherent advantages in using Paper Plates as compared to cups of other materials. These Paper Plates are gaining popularity all across the globe as a beautiful and flawless way of minimizing exposure to food borne diseases. Paper plates have many advantages like; they are manufactured in a very simple process using Food Grade Raw Materials with least waste and are easiest to recycle and reuse.

This project is based on fabrication and assembly of pneumatically operated paper plate making machines. The project is basically by considering the current problem of expensive computer controlled paper plate making machines. Paper plates are mainly consist of plastics. And plastic is an material which is very hazardous to the environment. With the help of this pneumatically operated machines paper plates are made from any kind of paper and leaves are also used for making plates. After researching how current paper plate making machines work, we are come up with low cost durable solution for manufacturing of paper plate.



# Auto Turbo - Automatic Single Die Paper Plate Machine



## Specifications

<b>Production Rate</b>	25PCs/Min
<b>Die</b>	4-12 Inch
<b>Power</b>	220V/50Hz 1KW
<b>Motor</b>	1 HP
<b>Machine Size(mm)</b>	L:762; W:990.6; H:1828.8
<b>Machine Weight</b>	250KG
<b>Certification</b>	CE
<b>Required Paper Material</b>	80-300 GSM-Aluminum Foil Coated Paper Roll



# Auto Turbo 2 - Automatic Double Die Paper Plate Machine



## Specifications

<b>Production Rate</b>	<b>50PCs/Min</b>
<b>Die</b>	<b>4-12 Inch</b>
<b>Power</b>	<b>220V/50Hz 1.5KW</b>
<b>Motor</b>	<b>1 HP</b>
<b>Machine Size(mm)</b>	<b>L:762; W:1676.4; H:1828.8</b>
<b>Machine Weight</b>	<b>330KG</b>
<b>Certification</b>	<b>CE</b>
<b>Required Paper Material</b>	<b>80-300 GSM-Aluminum Foil Coated Paper Roll</b>



# Auto Turbo Pro - Automatic Three Die Paper Plate Machine



## Specifications

<b>Production Rate</b>	<b>83-84PCs/Min</b>
<b>Die</b>	<b>4-12 Inch</b>
<b>Power</b>	<b>220V/50Hz 1.5KW</b>
<b>Motor</b>	<b>1.5 HP</b>
<b>Machine Size(mm)</b>	<b>L:762; W:2133.6; H:1828.8</b>
<b>Machine Weight</b>	<b>430KG</b>
<b>Certification</b>	<b>CE</b>
<b>Required Paper Material</b>	<b>80-300 GSM-Aluminum Foil Coated Paper Roll</b>



# Auto Hydrau - Auto Hydraulic Three Roll Paper Plate Machine



## Specifications

<b>Production Rate</b>	66-67PCs/Min
<b>Die</b>	4-18 Inch
<b>Power</b>	220V/50Hz 1.5KW
<b>Motor</b>	2 HP
<b>Machine Size(mm)</b>	L:1524; W:1219.2; H:1828.8
<b>Machine Weight</b>	390KG
<b>Certification</b>	CE
<b>Required Paper Material</b>	80-550 GSM-Aluminum Foil Coated Paper Roll



# Auto Hydrau 2 - Auto Hydraulic Five Roll Paper Plate Machine



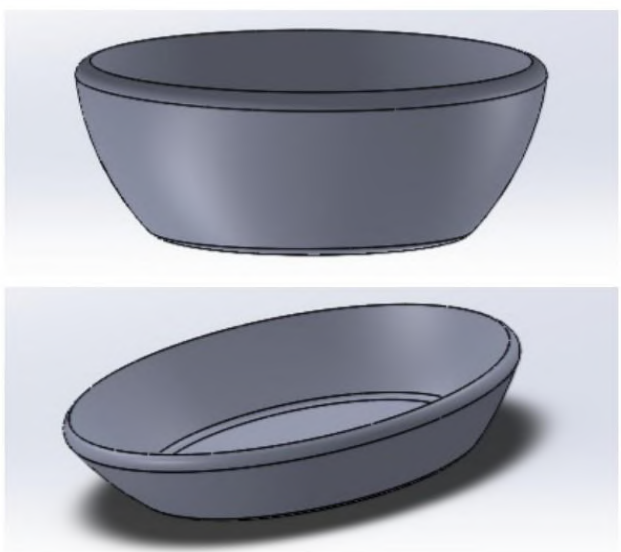
## Specifications

<b>Production Rate</b>	83-84PCs/Min
<b>Die</b>	4-18 Inch
<b>Power</b>	220V/50Hz 2KW
<b>Motor</b>	3 HP
<b>Machine Size(mm)</b>	L:2133.6; W:1524; H:1828.8
<b>Machine Weight</b>	430KG
<b>Certification</b>	CE
<b>Required Paper Material</b>	80-550 GSM-Aluminum Foil Coated Paper Roll



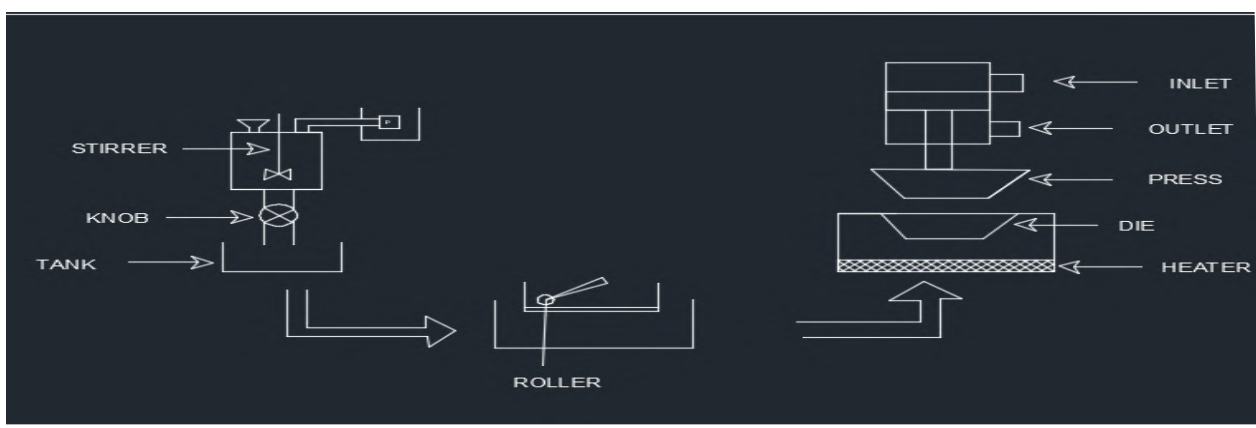
Explanation for Die & Function of the Machine

Cad Model of Die (Diagram 1 & Diagram 2)



These paper plates making machine gives desire shapes of plates /thalli as approximate efficiency of 80%. It is clearly seen that the project is economically possible in all aspect, and paper recycling unit has a potential to generate employment for many worker and can also act as an environment friendly initiative for the world

These paper plate making machines size is comfortable to suit anywhere and very economical also. For this machine we are using very latest echniques to improve our project performance.







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