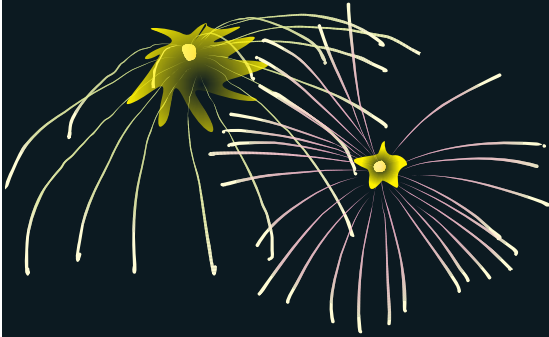


**ALPHIE**<sup>®</sup>  
Three Dimensional Mixer



**HOMOGENEOUS  
MIXER FOR  
FIREWORKS INDUSTRY**



FOR SPARKLER POWDER, GUN POWDER, CRACKER ETC.

Developed, Patented &  
Manufactured in INDIA



Hexagon offers 'Extended Shaft (ES)' series for the fireworks powder homogeneous mixing solution. Alphie mixer has been developed after years of research within our R & D lab and numerous trials at customer end for safe and efficient mixing results. Our machines of various capacities are running successfully since supply of first unit in 2012.

The mixing results are incomparably superior and faster than conventional hand mixing or traditional mixers. Safe mixing operation is ensured, as powder is filled in closed container and so no open air mixing. And the best part is, this is operator friendly machine, needing no special training.

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### Features

**Machine construction:** Mixer is manufactured, so that the drive unit and the mixing unit are separated by a partition wall. So, the machine Flameproof motor, gearbox and drive unit remains on the back side of the partition wall and the mixing unit comes on the other side. Exposed parts in mixing room are made of Non Ferrous material like Aluminum, Brass etc.



- Powder coated cage made of High grade Aluminum heat treated casting
- Shielded bearings needing no re-lubrication
- Shafts made of high alloy steel with Phoretic corrosion resistance coating
- Dynamically balanced rotating parts running with less electricity consumption



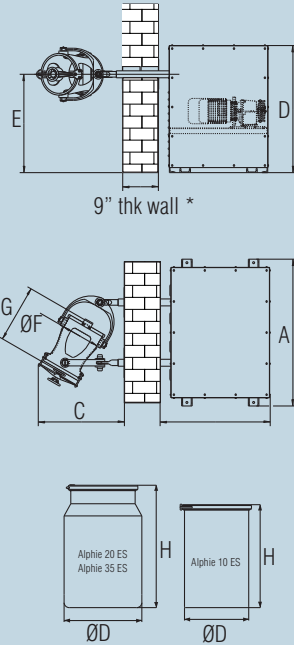
**Mixing Container:** Specially manufactured container made of Aluminum with user friendly clamping arrangement is offered for the application. They are further fitted with Fire proof Gasket for leak proof mixing.

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**Control Panel:** In line with the safety norms, the panel is placed outside the mixing room. Panel has speed and time change / set facility, Emergency Stop and an Audio alarm to indicate mixing cycle completion. Flame proof limit switches are supplied to fit on the mixing room doors.



### Machine Models |||



MODEL	A 10 ES	A 20 ES	A 35 ES
Mixing Capacity (Ltr)	10	20	35
Supply Power	Single Phase - 220V, 50 Hz	Single Phase - 220V, 50 Hz	Three Phase -415 V, 50 Hz
Motor Rating	1 hp	1 hp	1.5 hp
Mixing Container size (Dia D x Height H)	Dia 221 * 360 H	Dia 265 * 410 H	Dia 310 * 550 H
Max Drum	70	50	40
Rotating speed (RPM)			
Machine Weight (kg)	185	250	325
<b>Dimensions</b>			
A	960	1045	1115
B	745	785	810
C	555	615	715
D	930	905	700
E	700	700	497
F	241	271	315
G	340	410	535

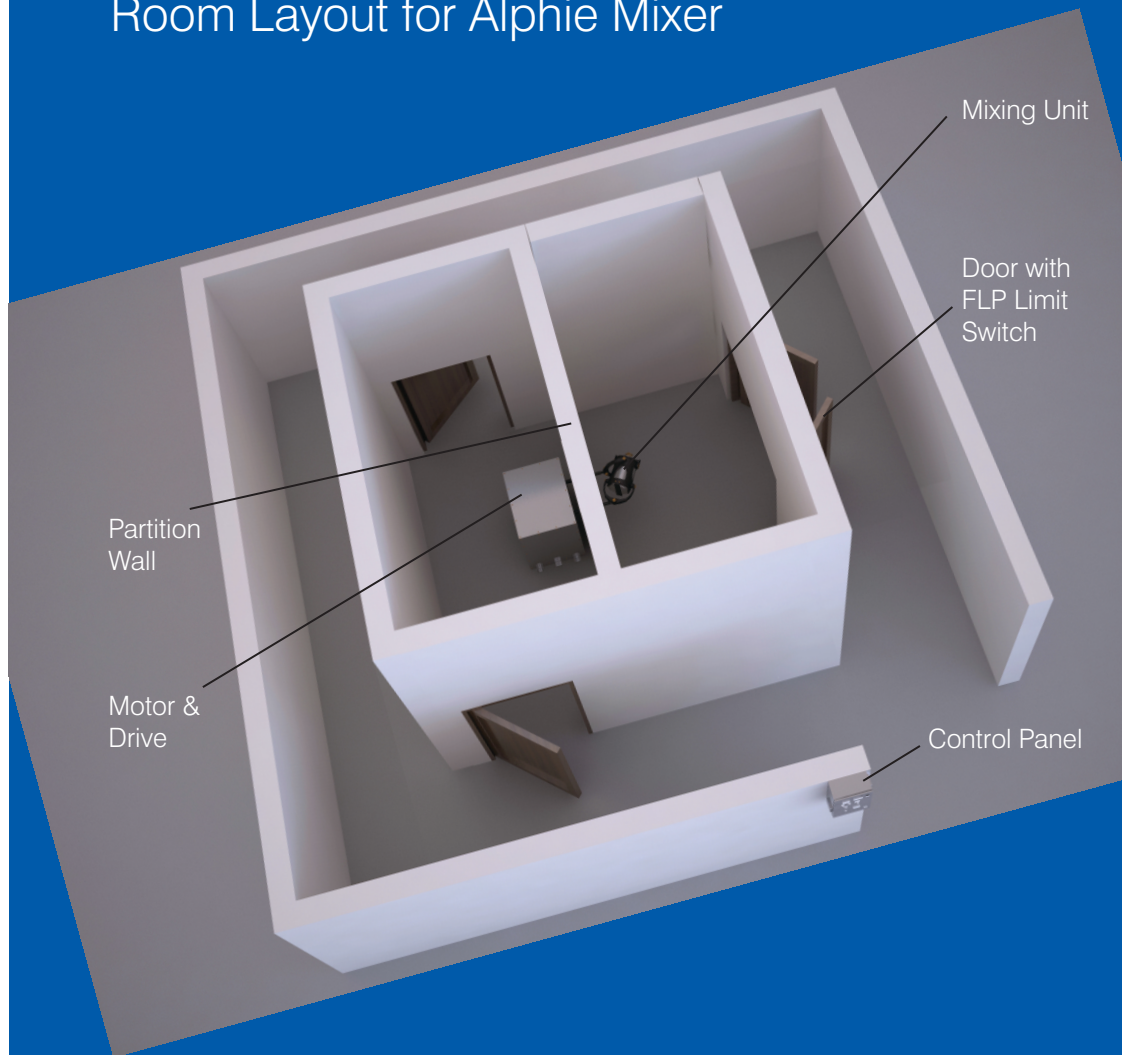
\* Design with larger wall thickness is also offered. Pls. contact

Apart from our standard design as above, we also offer design with two drums in single drive for all of above models. This gives advantage of more mixing capacity, but installing one machine.



[www.alphiemixer.com](http://www.alphiemixer.com)

## Room Layout for Alphie Mixer



For more details contact us at :-

### **HEXAGON PRODUCT DEVELOPMENT PVT. LTD.**

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\* We reserve the right to change content, picture & specification as per continuous research & development.