

## INFRASTRUCTURE

State - of - the - art - infrastructure spread over 9000sq.mtrs.  
Facility comprises of CNC Laser Sheet metal process  
equipments, online surface treatment and CNC Machining Centre.  
Quality established as per ISO 9001 Standards.



 **SIEGER**



ADOF- Auto Doffing System

 **SIEGER**

SIEGER SPINTECH EQUIPMENTS PVT. LTD.  
SF No. 49, Annur Road, Arasur Post, Coimbatore - 641 107, INDIA.  
Phone : +91 422 2361400. Mobile: +91 9894751798. Fax : +91 422 2361401  
E-mail : info@siegerglobal.net Web : www.siegerglobal.net

## SIEMER ADOF - Automatic Doffing System

SIEMER – An innovative engineering solution provider for textile industry with state-of-the-art manufacturing facilities have added ADOF to the product range for automation of doffing in ring frames thus providing a solution for the existing manpower need for the industry.

### Salient features

#### Doffing bar mechanism



State-of-the-art grippers are assembled on high tensile aluminum doffing bars moved by encoder and ball screw mechanism.

#### Ball screw



The drive to doffing bar is through a maintenance free ball screw assembly with zero friction.

#### Encoder



The main motor is equipped with an encoder for positioning of doffing bar to micron level accuracy.

#### Automatic loading & transfer of empties



A well synchronized distribution box and conveyor arrangement ensures that the empties are loaded onto the conveyor pegs for the preset loading rate, during the pre doff preparation.

#### PLC controlled systems



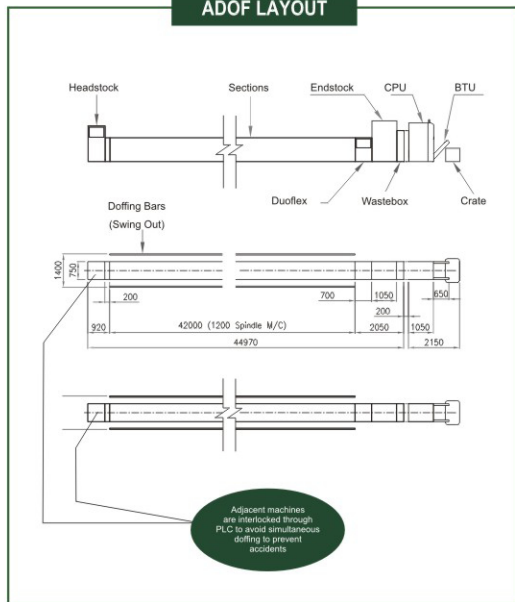
The machine is controlled by proven PLC system trouble free functioning of the sequence of doffing all activities of doffer with a customer friendly display system.

#### Spindle conversion rings



The spindles will be fitted with a new yarn cutter with knurled surface for holding the yarn during separation for efficient cutting.

### ADOF LAYOUT



#### Specifications

C-C distance between m/cs :	1800mm
No of spindles	: 1200 max
Spindle gauge	: 70mm & 75mm
Emplies size	: 180 to 230mm

#### Performance data

Doff preparation time :	40 minutes max
Doffing time	: 170 Seconds