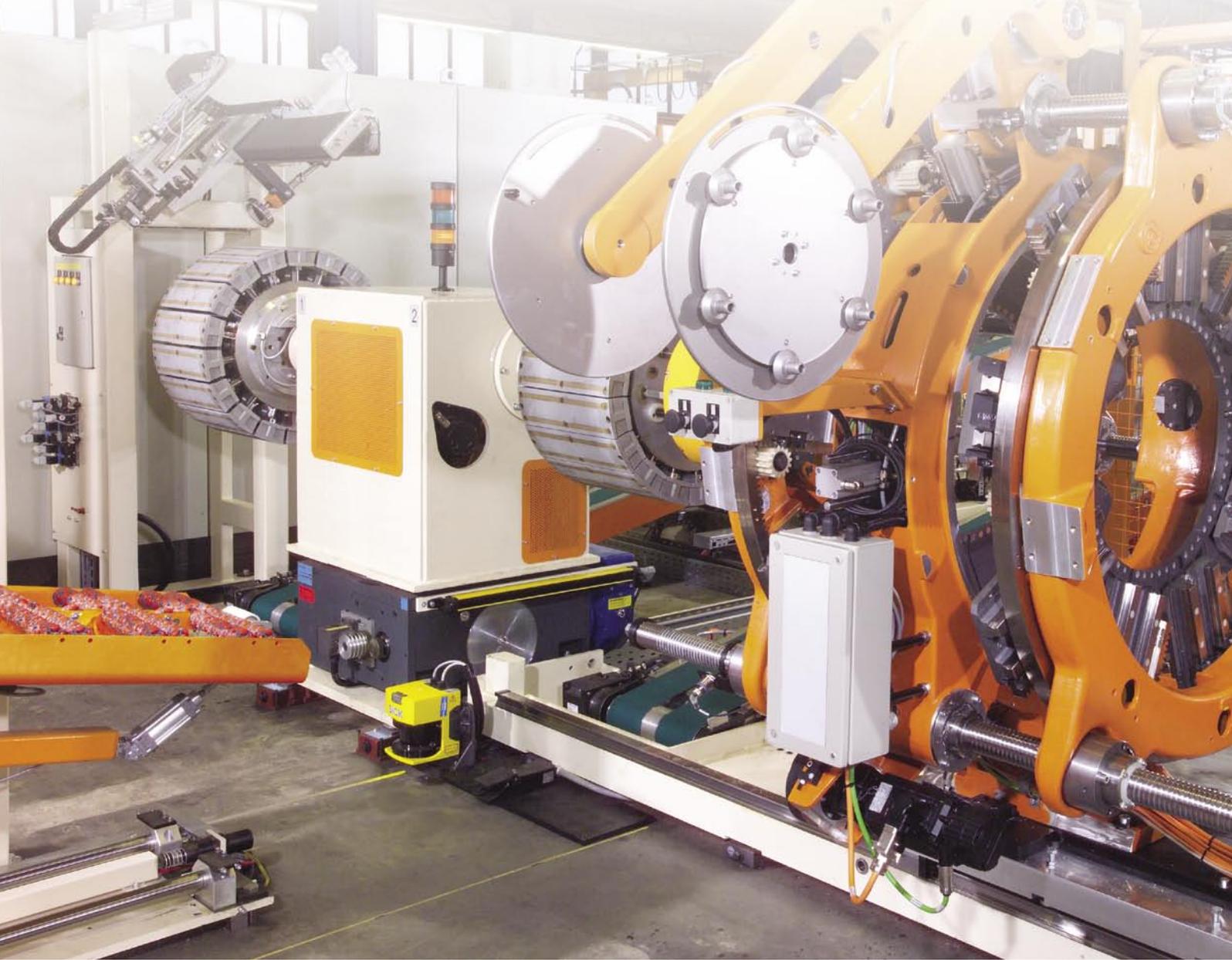
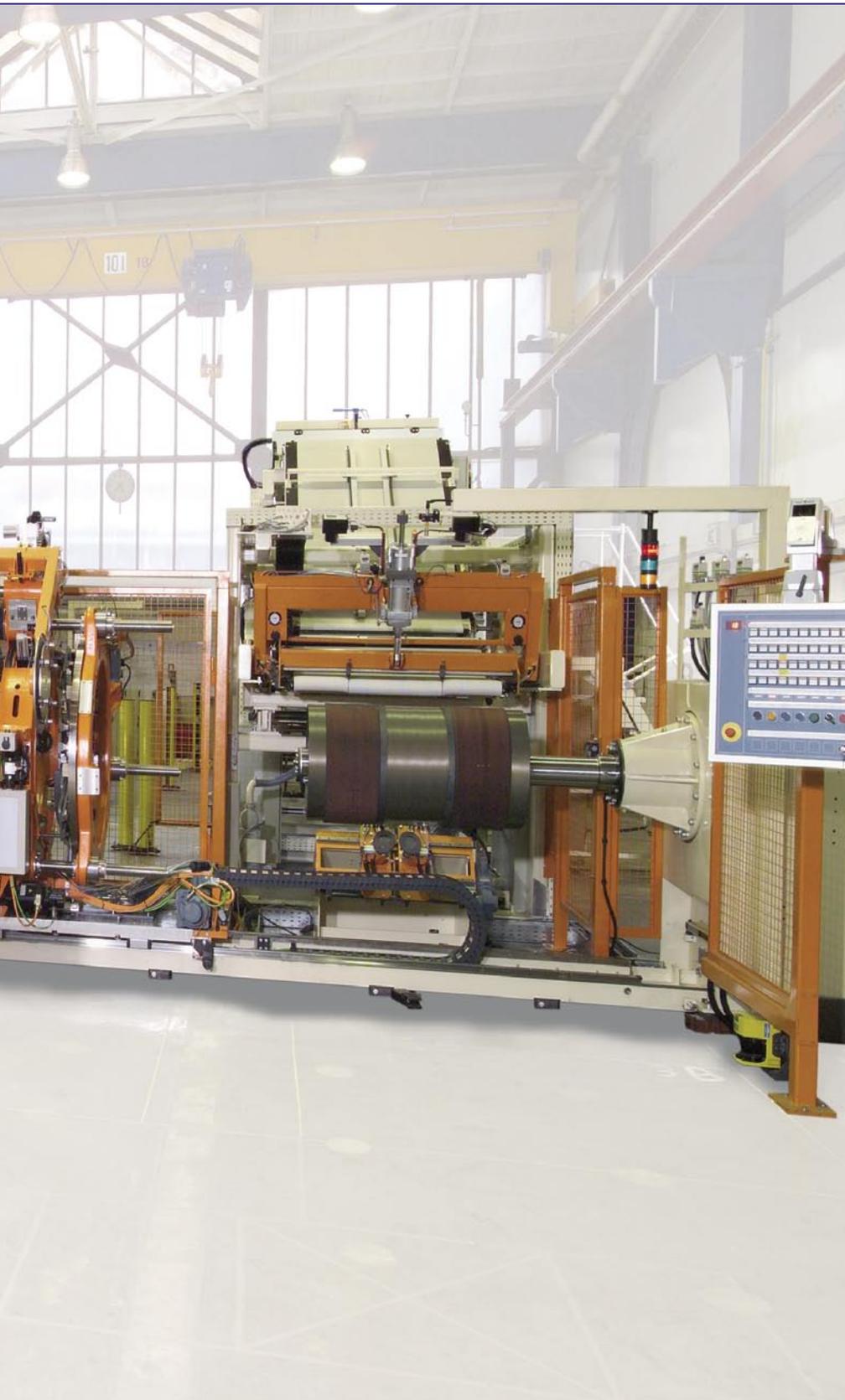


Tire Building Machine PLT3-23 plus





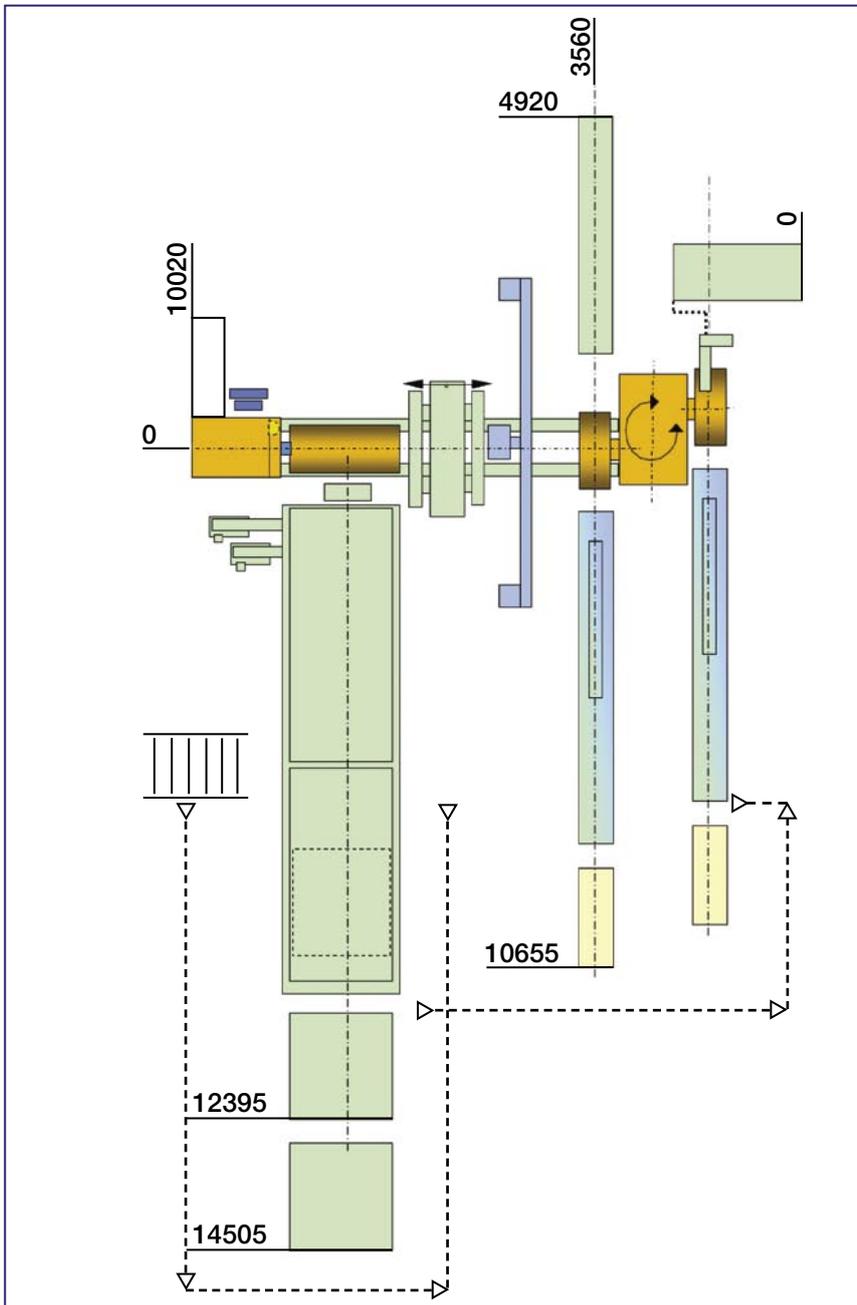


Tire Building Machine PLT3-23 plus

The new Tire Building Machine PLT3-23 plus is our answer to current tire manufacturer demands.

The run flat tire is a good example of a growing trend towards larger dimensions and more demanding tire designs. Additionally, off road and SUV tires are an increasing market segment.

The modular design of our machinery and software meets these new challenges. Tailor-made, customer-specific solutions are therefore easy for us to implement.

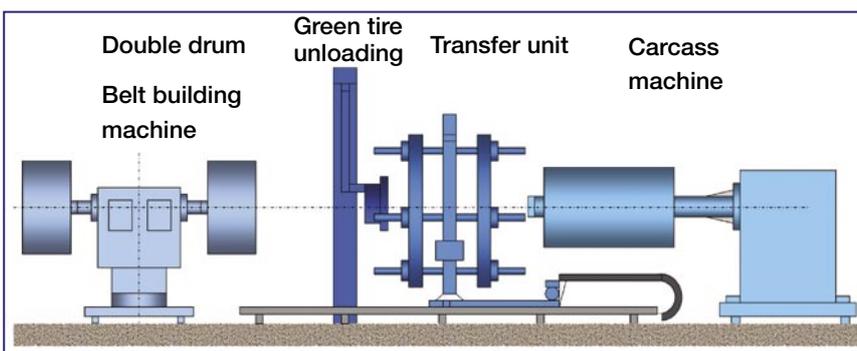


When it comes to productivity, the PLT3-23 plus has all the features modern technology can offer, such as automatic dimension adjustment and modern error diagnosis, which reduces downtimes to a minimum.

But even with all its automation, the PLT3-23 plus still lets the operator monitor the process and intervene, when necessary, at any time.

Naturally we have designed our green tire removal system to free the operators from heavy physical work. In conjunction with process-relevant steps such as length measurement, cutting, synchronization/wind-up, our tight mechanical production tolerances are a unique advantage when it comes to high-accuracy manufacturing of green tires.

So when manufacturing UHP tires up to 24", this should make the PLT3-23 plus your first choice!



Tire Building Machine PLT3-23 plus

| Technical Data | | PLT 3 – 23 plus** TOS or SOT |
|--|------------|---------------------------------|
| Bead range / Size | in | 15 - 24 |
| Green tire ø | mm | 540 - 1 000 |
| Tire assembly drum ø | mm | 362 - 590 |
| Bead to bead distance (outer edges of bead) | mm | 320 - 700 |
| Possible center distance of the bead clamping ring | mm | 320 - 700 |
| Body ply width (BP) | mm | 280 - 1 000 |
| Pre-assembly width (PA) | mm | 380 - 1 100 |
| Innerliner width | mm | 250 - 750 |
| Belt building drum ø | mm | 540 - 640 |
| (expanded) | mm | 640 - 740 |
| Belt building drum ø with slip-on segments | mm | 640 - 740 |
| (expanded) | mm | 740 - 840 |
| Belt length from tip to tip | max. mm | 3 800 |
| Belt width | mm | 140 - 350 |
| JLB tension control width of material | mm | 10 - 25 |
| Transferring, working range ø | mm | 540 - 740 |
| | mm | 675 - 875 |
| Tread length | max. mm | 2 800 |
| Tread width | max. mm | 390 |
| Chafer strips | mm | 25 - 90 |
| | mm | 200 - 750 |
| Connect load | approx. kW | 30 |
| Total weight of TBM | kg | 20 000 - 23 000 |
| Production output of green tire (attainable) | per day | 800 - 1 400* |

* depending on customer's material and operator's skill

** other dimensions upon customer request are possible

Harburg-Freudenberger

We develop, build and distribute machines, lines and systems across our three company divisions based on 150 years of company tradition.

Rubber mixing technology

We provide the most comprehensive range of machines for the rubber and caoutchouc industry including all major preparation and processing stages.

- Complete mixing room systems
- Internal mixer
- Mixing mills
- Dump extruder

Caoutchouc technology

Production machines and lines for the manufacture of tires and technical rubbergoods from raw material feeding to vulcanisation:

- Extruder
- Extrusion lines
- Tire building machines
- Curing presses

Edible Oil Technology

Machines for processing oilseed, crude oils of vegetable origin and animal raw materials as well as screw presses for the dewatering of synthetic caoutchouc and similar products:

- Screw presses
- Extraction lines
- Refining lines
- Process engineering

We are always at your service

With our foreign offices and our service points we have a global presence.

If you would like to learn more about Harburg-Freudenberger or if you require information on specific services, please do not hesitate to contact us.



Harburg-Freudenberger Maschinenbau GmbH
Kautschuktechnik • Speiseöltechnik
Seevestraße 1 • 21079 Hamburg • Germany
Postfach 90 05 52 • 21045 Hamburg • Germany
Tel.: +49 40 77179 - 0 • Fax: +49 40 77179 - 325

Harburg-Freudenberger Maschinenbau GmbH
Gummimischtechnik
Asdorfer Straße 60 • 57258 Freudenberg • Germany
Postfach 11 80 • 57251 Freudenberg • Germany
Tel.: +49 2734 491 - 0 • Fax: +49 2734 491 - 150

Hamburg-Harburg Freudenberg Belišće Topeka Akron Paris Teheran Moskau

www.harburg-freudenberger.com