

# Measuring-in

Measuring-in enables the definition of body measures, equipment sizes and modifications for a specific person. This enables later quick ordering of these products.

## Regular process of Measuring-in

Performing Measuring-In is the bread and butter business for **mobile tailors** or **point of service staff**, which are supporting internal or external customers to find the appropriate sizes for personal equipment without technical support but in many cases a set of slip-sizes. Once the best fitting sizes are defined, some companies allow or even enforce extra modifications, so that the modified product suits the requirements of the using staff even better. Modifications can range from "reduce left sleeve length by -2cm" or "Attach rank insignia" to "attach organization unit logo".

ZUGSEIL software supports that each of these modifications can be made immutable for the staff member. This makes sense especially when rank or logo is defined by company policy or HR and should not be under control of the staff member.

ZUGSEIL also has the ability of made-to-measure and [bespoke equipment](#).

## AI based Measuring-in process

### From body measures to sizes

Body measures refer to the physical dimensions of an individual's body, such as height, weight, body mass index (BMI), waist circumference, hip circumference, and body fat percentage. Body measures for clothing refer to the specific measurements of an individual's body that are needed to determine the appropriate size of clothing. These measures typically include chest/bust, waist, hips, inseam, and sometimes arm length and shoulder width.

These body measures are objective data helping to ensure that clothing fits properly. Still there exists subjective information which each person defines individually which is also very important that a person perceives a piece of clothing comfortable to wear.

Both types of information are used during our size recognition to evaluate the best fitting sizes.

### Advanced supported process flows

Aside the mobile tailor scenario, which is the current standard for large scale equipment rollout, ZUGSEIL Made To Measure add new scenarios:

- **AI assisted mobile tailor / point of service** - this just provides the mobile tailors AI based tools which support the body measure recognition process and also the size recognition process. Through this more precision and time efficiency can be added to the Measuring-In process chain. The (scarce) tailoring knowledge is just required to review the results which the AI provided and do final modifications.
- **AI assisted full self service** - this leaves the user alone with the AI to perform body measure recognition and size recognition in one process step. The user just has to present towards a

mobile camera, the AI takes care of the rest of process and returns with the sizes of the relevant pieces of equipment. The availability of this process offers a great savings potential for large organizations which can save on human logistics and reduce the quantity of equipment stores or even drop them entirely.

## Comparison of process flows

	Unsupported measuring in (self & manual measuring in)	mobile tailor / point of service	AI assisted full self service	AI assisted mobile tailor / point of service
Skilled Measuring-In staff required	no	yes	no	yes
Measuring-In location required	no	yes	no	yes
User`s dependence of time	no	yes	no	yes
User`s dependence of location	no	yes	no	yes
requires basic technical skills of customer	no	no	yes	no
allows body related modifications	no	yes	no	yes
precision of results	very poor / unusable	very good	good	best
speed of process per measuring-in	30-60 mins	15-30 mins	5 mins	10 mins

## Related articles

- [ZUGSEIL TILA](#)
- [AI based body measure capturing](#)
- [AI based size recognition](#)

## Related development articles

- [Dev:Measuring-In](#)
- [App:Measuring-In](#)