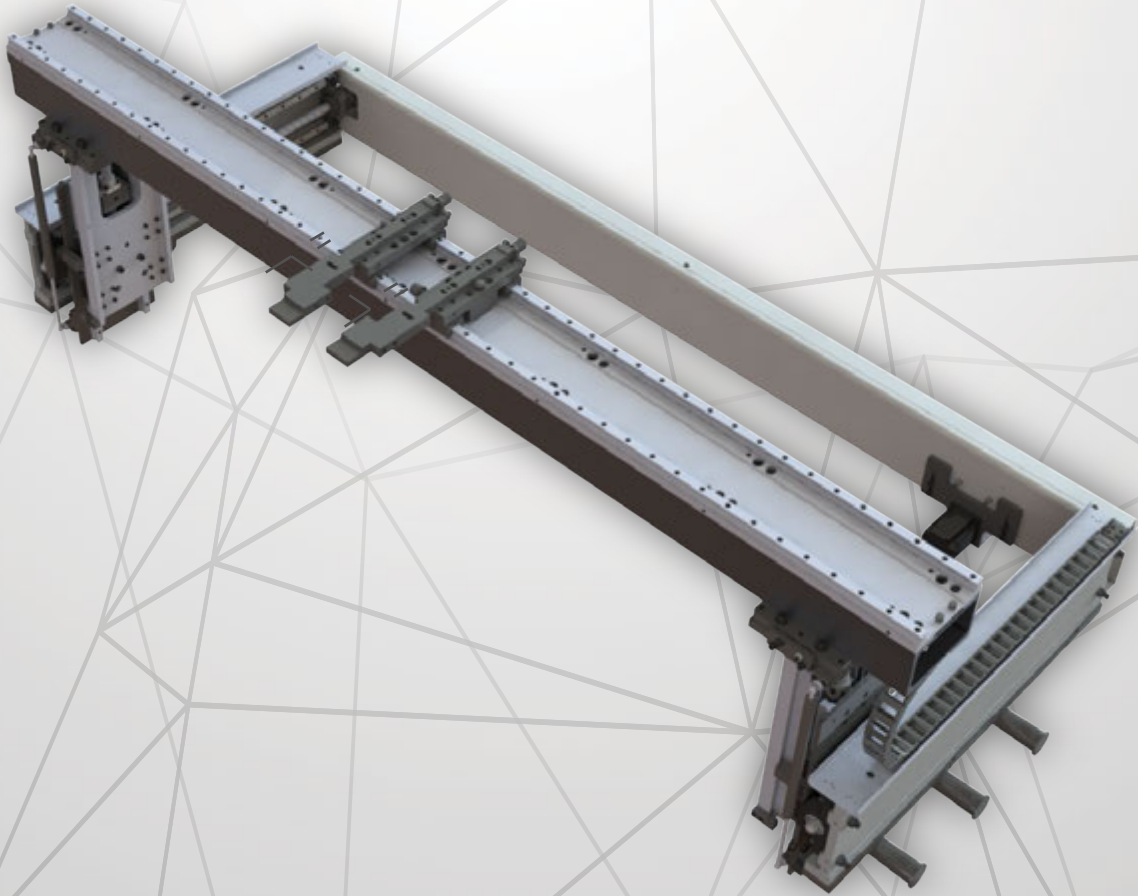


DURMA

TODAY, TOMORROW, FOREVER...



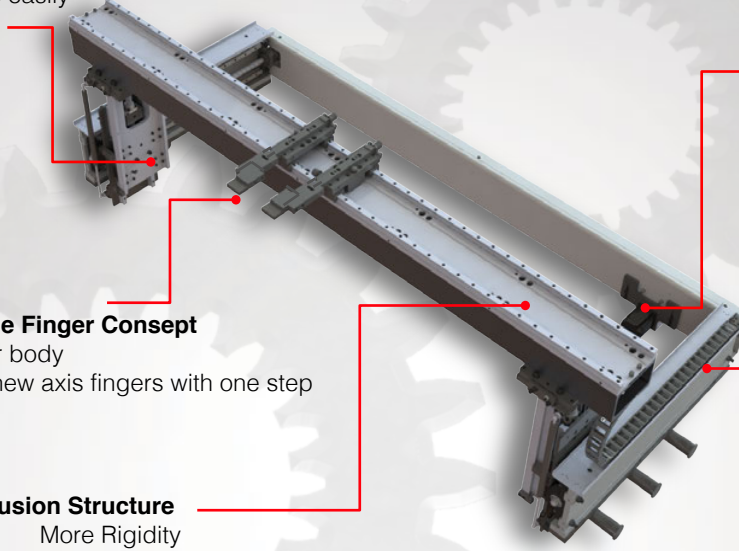
New Backgauge Design



New Structure

New Backgauge Design

Less parts
%80 Common part usage
You can add Z, Delta-x axis easily



New Generation Servo Motors

More Accurate
More Compact
More Quiet

Precision Linear Motion Parts

More Repetition Ability
High Loads
High Level of Compensation

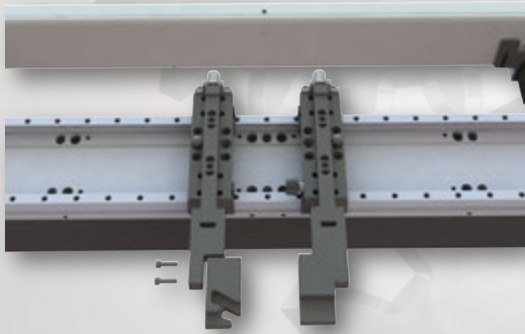
New Backgauge Finger Concept

One main finger body
You can make new axis fingers with one step

Aluminum Extrusion Structure

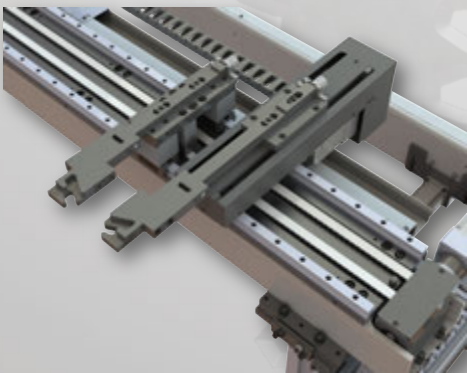
More Rigidity
Less Mass

New Backgauge Finger Concept



One main finger body
You can make new fingers with easy steps
Possibility of regional height or back-and-forth adjustment
More rigid finger with the double guide
High repetition accuracy
Faster setting, less setting needed
Quick changeable finger block
Faster Z-axis and Delta-x addition

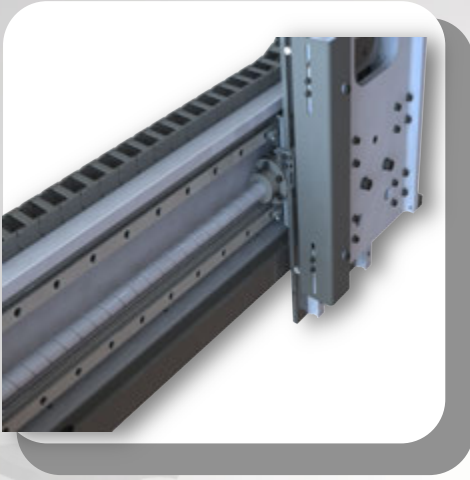
New Delta-X Backgauge Finger Concept



New compact design
Lightweight
Using common parts with other fingers
Quick changeable finger block

Still +125, -125 total 250 mm stroke

X Axis Construction



2 guide rails and 4 guide cars
 High compensation for momentum forces
 Lightweight with aluminium extrusion production
 More rigidity
 More repetition ability

Backgauge Reference Points



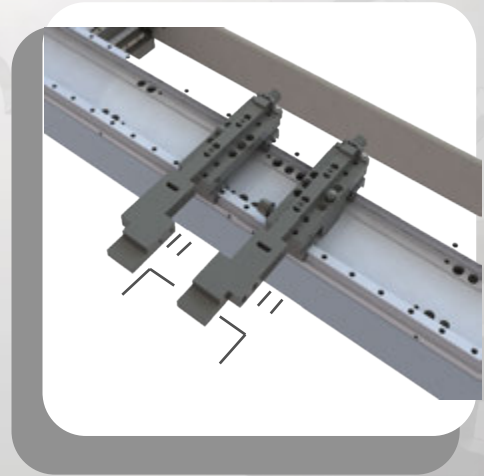
Precision reference with machined surface
 Alignment with machining surface
 More accurate

R Axis Construction



2 guide rails and 4 guide car
 More precision with rolled ballscrews
 More repetition ability
 Lightweight and compact with aluminium

New Backgauge Finger Profile



R axis driven with wired belt
 Profile is on the machined surface
 Possibility of sectional height or back-and-forth adjustment
 More rigid finger with the double guide
 High repetition accuracy
 Faster setting, less setting needed