

The electronic controlled sectioned pad system of sanding requires all its elements to operate in absolute coordination and to be of the highest quality to obtain the best finish result on the panels surface.

The following scheme visualizes all its components, all fully interconnected to form one only working system, where each item must correspond perfectly to the general functionality to obtain the best sanding result.

a manual pad control panel; enable the variation of electronic parameters

b electronic card for pad control

c infeed sensing bar with rubber covered wheels and inductive sensors, to detect form and size of work-pieces

d pressing system - acting on each-one section with pneumatic or electro-magnetic pressure

e metal pad section, spreading the pressure of the upper element on the underneath layers of felt / graphite / sanding belt

f felt / rubber / foam intermediate contact element that is adapting on the panel surface and is changeable depending on operations required

g graphite cloth - a sliding surface working on the back side of abrasive belt, changeable depending on wear

h sanding belt

i encoder on feed drive unit to give a signal every 1 mm

