

**Machines and tools for thermoforming and packaging technology**

Sheet processing machines  
Automatic roll-fed thermoformers for forming / punching tools  
Automatic roll feed thermoformers, separate forming and punching  
Skin and Blister packaging machines  
Form, fill and seal lines  
ILLIG-produced tooling



**Technical Data  
RV 53, RV 74**

Thermoforming machine	✓ RV 53	RV 74	
forming area max.	500 x 350	700 x 500	mm
forming area min.	300 x 100	400 x 250	mm
forming part height above working level max.	100	120	mm
forming part height below working level max.	30	40	mm
material width max.	550	750	mm
material width min.	340	440	mm
material thickness max.	1.3	2.0	mm
material thickness min.	0.18	0.18	mm
accuracy of material transport (measured at the skeletal)	± 0.2	± 0.2	mm
connected load of upper heater	9.8	16.2	kW
connected load of lower heater	5.6	16.2	kW
length of upper heater	875	1125	mm
length of lower heater	500	1125	mm
suction capacity of the vacuum pump	40	200	m <sup>3</sup> /h
heat to be dissipated	15000	30000	kJ/h
cooling water connection on machine	R ½"	R ½"	
compressed air connection on machine	R ½"	R ½"	
required cross section for pressure air line	R 1"	R 1"	
weight approx.	3000	2600	kg

**Steel rule punch press**

punching area max.	500 x 350	700 x 500	mm
height of forming above working level max.	110	120	mm
height of forming below working level max.	30	40	mm
tool installation height on upper table max.	100	140	mm
tool installation height on upper table min.	80	80	mm
tool installation height on lower table max.	50	60	mm
connected load of steel rule die heating	4	6.4	kW
temperature of heating plate max.	150	200	°C
cooling capacity of steel rule heating	15 000	15000	kJ/h
punching force	200	500	kN
driving force	3	3	kW
weight approx.	3 000	4000	kg

**Total machine**

number of cycles max.	22	20	1/min.
total connected load with lower heater	19,4	46	kW
total connected load with lower heater and steel rule punch heater	23,4	52.4	kW
total air consumption per cycle (without forming air)	45	35	NL
operating pressure	6	6	bar
recommended compressor capacity	1 200	1200	NL/min
roll diameter of skeletal max.	600	600	mm
working level above ground	1 100	1300	mm
total width of machine including control cabinet	1930	3 000	mm
total length incl. roll stand (standard/ hole punch press)	5880	8 650 / 10 260	mm
total height	1880	2 390	mm
total weight of machine (standard/ hole punch press)	3000	6 600 / 9 600	Kg

3123.04.2003 - engl. Engel, Subject to change.

for binding dimensions please refer to dimensional sketch  
three-phase supply with loadable neutral,  
power supply: 3/PEN (N/PE), 50Hz, 400V, TN;

machine colour: white/ blue RAL 9002 with RAL 5013