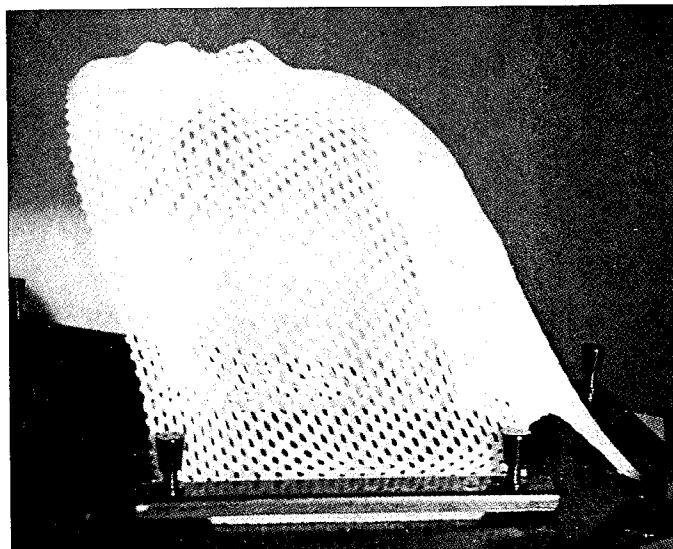
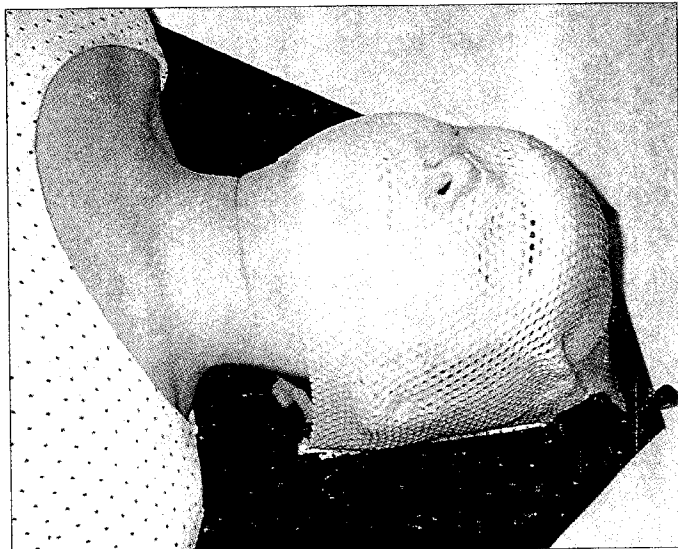


# PLANET THERMOPLASTIC MATERIALS

Designed Specifically for Radiation Therapy Needs and Requirements



## HIGH QUALITY PRECISION FIXATION

**PLANET Does Not Shrink During Curing**

**PLANET Does Not Stick To Skin Or Hair**

**PLANET Softens AT 65°C**

**PLANET Is Ready For Application Within 60 Seconds**

**PLANET Is Rigid Within 10 Minutes At Room Temperature**

**PLANET Is Self Adhesive - Will Bond To Itself In Seconds**

**PLANET Is Compatible With ALK, SINMED, ORFIT AND BIONIX Holders**

**PLANET Is Available In Three Thicknesses: 2mm, 2.5mm and 3.2mm**

**PLANET Is Available In Sheets 450 X 610mm**

**and in Precut Shapes Suitable To Your Existing Equipment**

800-347-XRAY

718-649-8500

FAX 718-257-0219



**S&S PAR SCIENTIFIC**

1101 LINWOOD STREET  
BROOKLYN NY 11208

# PLANET THERMOPLASTIC MATERIALS

Unlike other thermoplastic materials, **PLANET** is designed specifically to satisfy radiation therapy requirements and needs. It is a unique material that can provide you with a very practical, fast and effective method to immobilize your patient with custom designed masks and fixations. If you are accustomed to working with thermoplastic materials, you will find **PLANET** at least as easy to use as other products and with the added advantages of a faster warming up time, optimal softness period and a more attractive price.

## IMPORTANT ADVANTAGES OF PLANET :

**PLANET** SOFTENS UP AT A LOWER TEMPERATURE WHICH MEANS LESS UNDESIRABLE HEAT EXPOSURE TO THE PATIENT'S SKIN. SOFTENING TEMPERATURE IS 65°C.

**PLANET** REQUIRES A SHORTER HEATING DURATION. THE MATERIAL IS FULLY SOFT AND READY FOR APPLICATION WITHIN 60 SECONDS OF EXPOSURE TO HEAT.

**PLANET** HAS AN OPTIMIZED SOFTNESS DURATION LEAVING YOU SUFFICIENT TIME TO PRECISELY MOLD THE MASK BUT NOT TOO LONG TO WASTE YOUR TIME. FULL SOLIDIFICATION OCCURS WITHIN 10 MINUTES OF EXPOSURE TO ROOM TEMPERATURE.

## GENERAL CHARACTERISTICS :

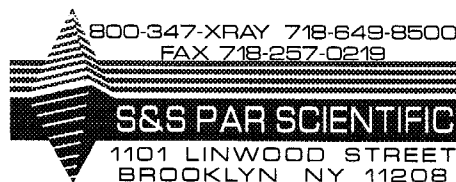
**THERMAL RESPONSE:** PLANET is solid and rigid at room temperature and up to 45°C. In this state it resembles many other plastic sheet materials. At approximately 50°C the material starts to soften up and at 65°C it is very pliable. These properties are ideal for the creation of fixation masks that conform precisely to the patient's geometry. As the warm material cools down to room temperature, it solidifies, retaining the contour of the patient. No additional shrinkage will occur as the material fully cures.

**SELF ADHESIVITY:** When the material is warm and pliable it is self adhesive (when it is folded onto itself it sticks together). This is a very useful characteristic which makes it possible to form a better mask. Excess material can be folded in on itself or used to reinforce areas where extra rigidity is required.

**MEMORY:** When reheated to 65°C PLANET will tend to return to its original flat dimensions. This characteristic is valuable in that it allows changes and local modifications to be carried out on the mold when desired.

**FINGERPRINTING:** Most materials in their soft phase fingerprint easily. This material has a high resistance to fingerprinting which allows easy processing and handling without marking the material.

## FOR ADDITIONAL INFORMATION CONTACT

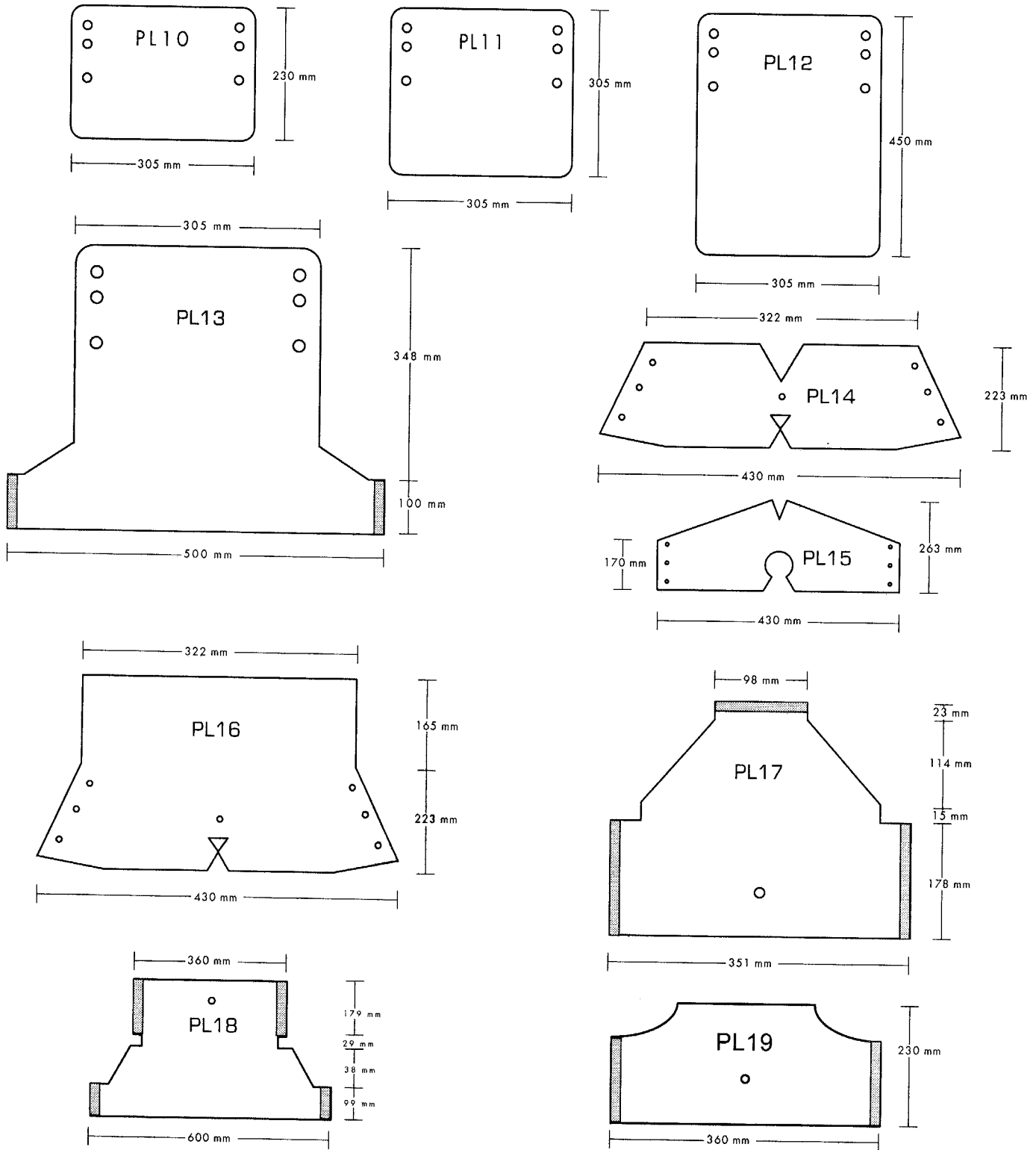


**THE LEADER IN PATIENT FIXATION  
VAC FIX  
PLANET**

# PLANET THERMOPLASTIC MATERIALS

800-347-XRAY 718-648-8500  
 FAX 718-257-0219  
**S&S PAR SCIENTIFIC**  
 1101 LINWOOD STREET  
 BROOKLYN NY 11208

OTHER SIZES AND SHAPES ARE AVAILABLE ON REQUEST

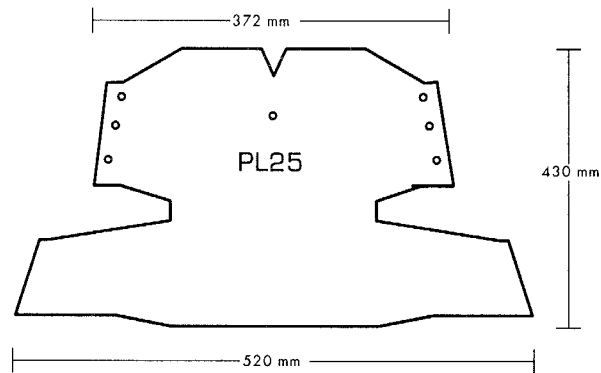
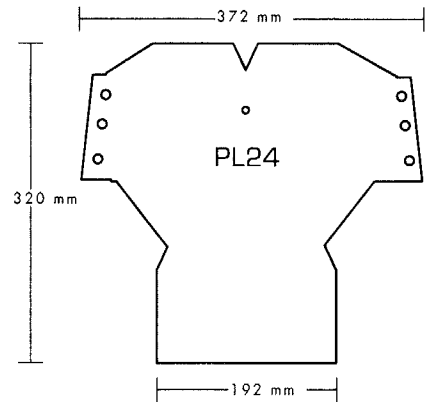
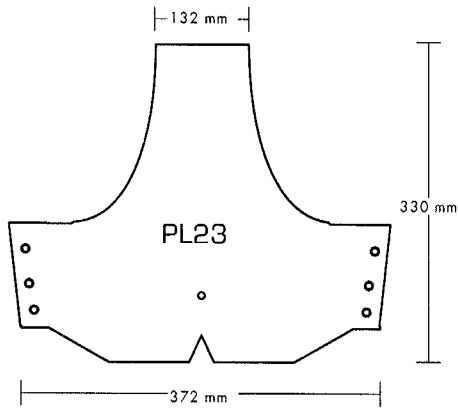
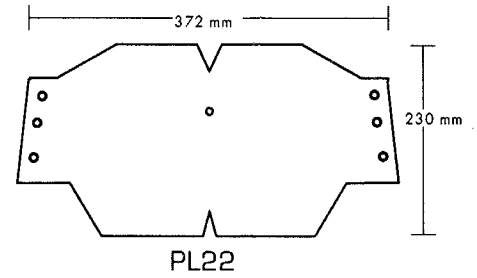
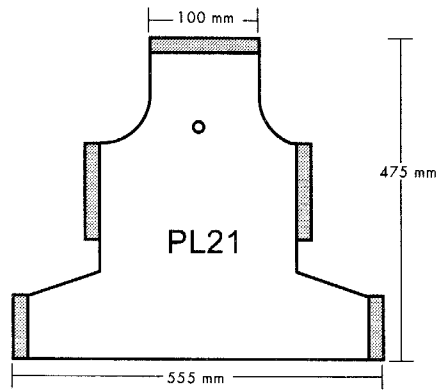
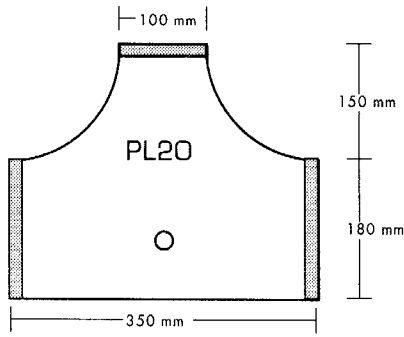


**DRAWINGS NOT TO SCALE**

NOTE: STYLES PL13 PL17 PL18 PL19 PL20 PL21 COME WITH OUR UNIQUE (PATENT PENDING) L SHAPE PLASTIC EDGING FOR FASTENING TO HEAD HOLDER.

# PLANET THERMOPLASTIC MATERIALS

800-347-XRAY 718-649-8500  
FAX 718-257-0219  
**S&S PAR SCIENTIFIC**  
1101 LINWOOD STREET  
BROOKLYN NY 11208



**DRAWINGS NOT TO SCALE**

NOTE: STYLES PL13 PL17 PL18 PL19 PL20 PL21 COME WITH OUR UNIQUE (PATENT PENDING) L SHAPE PLASTIC EDGING FOR FASTENING TO HEAD HOLDER.