

GEO

**Knight**

& CO, INC

EST. 1885

**HEAT  
TRANSFER  
PRESSES**

*Images onto the Extraordinary*



**Industrial grade  
machinery manufactured  
Since 1885**



**State of the art  
press technology  
built to last**

The Digital Knight line of transfer presses is the culmination of over four decades of perfecting the design, mechanics and technology of heat press machinery. All of these commercial digital presses by Geo Knight & Co boast heavy steel welded frameworks built to hold up over many years of heavy use and stress.

At the heart of these machines is a state-of-the-art digital microprocessor control and proprietary heat control circuit field tested beyond 10 million heating cycles. This allows for an unprecedented 3 year warranty on the control. The Digital Knight controller features an oversized Bright Blue Backlit LCD display for easy reading of time, temperature, and pressure bar graph readings. The controller has a surprising array of extremely useful features, such as user programmable presets, automatic timing, dual prepress cycle timers, odometer, selectable alarms and much more. Overall, the extremely accurate control and intuitively easy to use interface makes for a reject-free production environment.

The heaters on all platens of the Digital Knight line use an exclusive coil winding technology for dramatically superior evenness and speed of heating. Our SuperCoil-Microwinding™ heater technology outperforms and out heats all else. Of course, all Geo Knight & Co heat platens are lifetime warranted and guaranteed against cold spots.



Digital Knight  
SuperCoil-Microwinding™ heat platen

Brand X  
heat platen

## **DK20S** DK20S 16" x 20" Digital Swinger

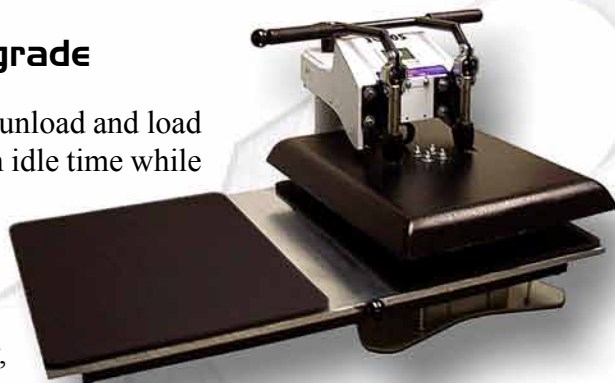
- Fully digital temperature control
- Automatic digital timer w/ pre-press
- Digital pressure bar graph
- 70 Programmable presets
- Solid steel welded framework
- Interchangeable tables
- SuperCoil-Microwinding™ heater technology
- Accommodates materials up to 2" thick
- Temperature readout accuracy  $\pm 2^{\circ}\text{F}$ .
- User selectable end-of-cycle alarms
- Records number of pressing cycles done
- Teflon-coated  $\frac{3}{4}$ " thick heat platen
- Lifetime warranty on heat platen
- 3-year warranty on control
- 1 year warranty on entire press
- Elec: 120V-1800W-15A / 220V-1800W-8A
- Dims: 32"L x 18"W x 18"H - 200 lbs



## **DK20S** DK20S Twin Station Upgrade

Adding a twin shuttle upgrade allows the operator to unload and load materials while a cycle is pressing. It also negates heat platen idle time while the operator prepares the table. Production is maximized with no additional labor cost. This shuttle is solid aluminum, holding any heavy or rigid imprintable products as well as fabrics without concern.

For almost double the productivity per single operator, the Digital Knight Twin Shuttle Upgrade is an unbeatable value.



## **DK25S** DK25S 20" x 25" Digital Knight Jumbo Swinger

The *Digital Knight* DK25S features the same manual swing away framework as the DK20S 16x20 swinger, but with an oversized large heat platen. The 20"x25" platen accommodates large transfers and materials beyond what our standard sized heat platens can handle. Due to the significant size increase of the platen, the DK25S 20"x25" swinger comes with a stand for extra secure stability, even when swung completely around 180°. A 208V/220V electrical panel is mounted to the rear of the stand

- Fully digital temperature control
- Automatic digital timer w/ prepress
- 70 Programmable presets
- Solid steel welded framework
- SuperCoil-Microwinding™ heater
- Accommodates materials up to 2" thick
- Temperature readout accuracy +2°F.
- 3-year warranty on control
- 1 year warranty on entire press
- User selectable end-of-cycle alarms
- Teflon-coated 3/4" thick heat platen
- Records number of pressing cycles done
- Elec: 220V-4500W-20A
- Dims: 32"L x 26"W x 42"H - 420 lbs



## **DK20SP** DK20SP 16" x 20" Digital Knight Automatic Air Swinger

The *Digital Knight* DK20SP is an air-operated, automatic 16x20 swing-away heat press with a state-of-the-art control system and heavy-duty solid steel welded framework. The smooth automatic pressing and push-button activation provides a productive fatigue-free operation. The heat platen uses SuperCoil-Microwinding™ heater technology providing extremely even heat, fast recovery & fast heat up times. In a constant-use heat press environment where a manual press just isn't enough, the DK20SP offers an affordable and professional automation solution. \*\*\* ALSO AVAILABLE AS 20" X 25" DK25SP (w/stand)

- Automatic air operated pressing
- PSI pressure control gauge
- Fully digital temperature control
- Automatic digital timer w/ prepress
- 70 Programmable presets
- SuperCoil-Microwinding™ heater
- Temperature readout accuracy +2°F.
- Solid steel welded framework
- 1 year warranty on entire press
- User selectable end-of-cycle alarms
- Teflon-coated 3/4" thick heat platen
- Records number of pressing cycles done
- Elec: 120V-1800W-15A/ 220V-1800W-8A
- Dims: 32"L x 18"W x 18"H - 230 lbs





The **Digital Combo** is a multipurpose swing-away heat press. This fully digital 14"x16" swing-away press boasts all of the digital features of the DK20S digital swinger. This includes Digital Temperature, Time, and a Digital Pressure Bar Graph, as well as programmable presets, dual prepress timer, adjustable alarms and a host of other digital features. The construction is a solid steel welded framework, the press features SuperCoil-Microwinding™ heater technology, and carries the same warranties as the Digital Knight line of presses. However, the popular success of the Digital Combo lies in its instantly interchangeable (*under 1 minute change-out time and hot swappable!*) system of heat platens and tables.

Available for this one press is every attachment necessary to professionally imprint T-Shirts, Caps, Plates, Tiles, Mugs, Memo Cubes, Miscellaneous Plastics, Woods, Metals, Fabrics and much more. The interchangeability is performed quickly and safely... and YES! the attachments work as good as or better than stand-alone presses! If your products range beyond just flat & fabric items, the Digital Combo is the most versatile machinery solution.



The Full-Wrap mug attachment uses the exact same DK3 heater band that has proven to be the most reliable and longest lasting flexible mug heater element in the industry. No need to detach any heat platens or tables from the Combo press, just plug this mug attachment into the heat platen connector and your Combo press is turned into a DK3 in seconds for about half the price of a stand-alone DK3!

Caps are flawlessly printed with a curved heater block and curved bottom form with a special cap stretching device. Plug in the heater & drop on the table and you have a heavy duty swing-away cap press. Optional bottom forms available.

Due to its swing-away design and wide adjustment range, The Digital Combo excels at handling extremely thick items such as plaques, tile, woods, plastics, and other imprintable items that can not be pressed in clamshell presses.

The plate die platens feature quickly interchangeable components for allowing the circular heating element to press inside ceramic plates. Also included is a template tray and pad for centering the plate.

**Specifications:**

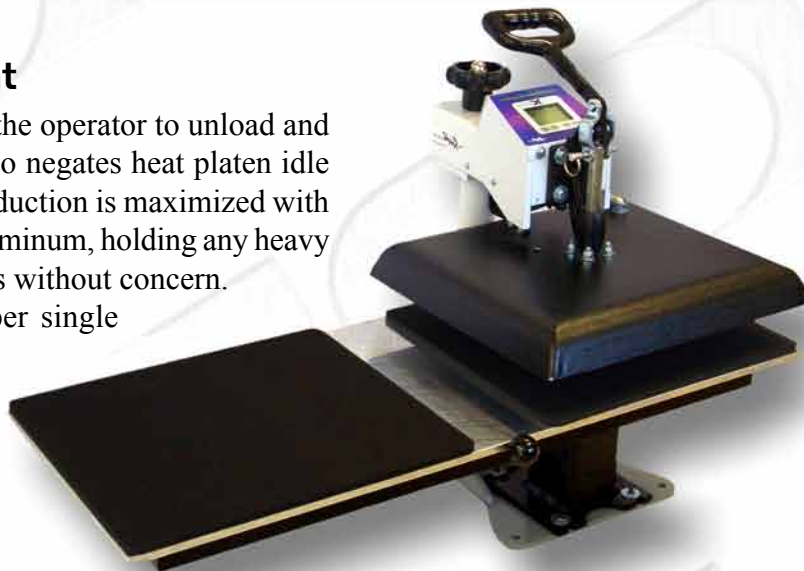
DC14 120V-1300W-10A / 220V-1500W-5A  
 DC16 120V-1500W-13A / 220V-1500W-7A  
 Dimensions (both): 18"W x 24"D x 20"H - 135 lbs



## **DC** Digital Combo Twin Station Attachment

Adding a twin shuttle upgrade allows the operator to unload and load materials while a cycle is pressing. It also negates heat platen idle time while the operator prepares the table. Production is maximized with no additional labor cost. This shuttle is solid aluminum, holding any heavy or rigid imprintable products as well as fabrics without concern.

For almost double the productivity per single operator, the Digital Combo Twin Shuttle Attachment is an unbeatable value. The Twin Attachment will also work with the DC16AP Air Operated press, for an automatic, twin station small footprint production solution.



## **DC 16AP** DC16AP 14" x 16" Digital Combo Automatic Air Swinger

The DC16AP is an automatic air operated multipurpose swing away press. It uses the same exact frame and interchangeable design as the manual Digital Combo press. It has the same multipurpose functionality, but is a push-button air operated automatic press.

For users who desire the tabletop footprint of the Digital Combo, and need its versatility, but desire a more productive automatic pressing and automatic release action, the DC16AP is the perfect machine. This press is also used heavily for large quantity small label application, with the smaller 6"x8" label press head and bottom tables. All attachments used on the manual Digital Combo press including the Mug, Cap, Plate, Tile, Cube, Twin-Shuttle, and even bottom heat are fully compatible with the Air Operated Automatic Digital Combo press.



## **394** Shuttle Press (BOSS Embossing Press)

The 394 Shuttle Press is a high production, industrial factory grade twin station heat transfer press. Available in platen sizes of 16"x20" and 20"x25", the 394 Shuttle Press removes operator inefficiency and pressing delays with its automatic pressing system, twin shuttle table assembly and low maintenance industrial design.

Coupled with the Digital Knight control and a solid steel structure, the 394 provides extended dependable service in high-demand, constant production environments. The 394 exerts up to 12,000 pounds of force, the capacity necessary for Embossing. The extra high wattage heater will keep up with any heat demand, ensuring no heat recovery concerns.



394-TS 16"x20" 220V-3600W-16A  
394-MTS 20"x25" 220V-4500W-16A Dimensions (both): 48"W x 32"D x 51"H - 700 lbs



Our line of **Digital Knight** clamshell presses boasts the heaviest pressure a clamshell can apply, using heavy steel welded structures, while maintaining excellent low-weight portability. These presses open much wider and lift up far away from the rear of the pad, staying away from user hands. The extra long & wide handle and smooth gas shock lift make for the easiest and safest clamshells to operate on the market!

## **DK20** DK20 16" x 20" Digital Clamshell

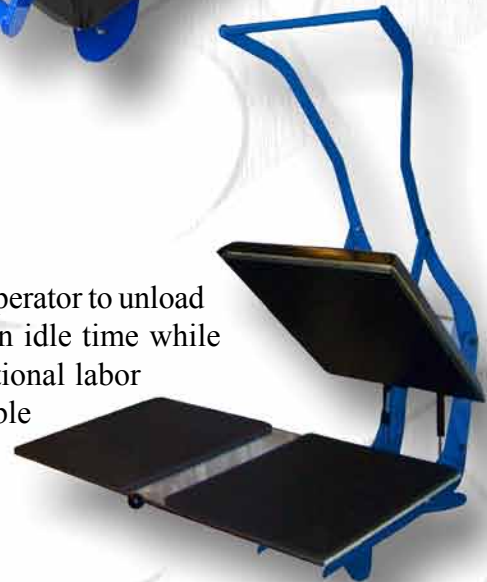
- Fully digital temperature control
- Automatic digital timer w/ prepress
- Digital Pressure Bar Graph
- 70 Programmable presets
- Super-portable light machine weight - 103 lbs !
- Hardened high-strength pivot points
- Interchangeable tables & Solid Steel framework
- SuperCoil-Microwinding™ heater technology
- Self-lifting gas spring, & wide opening
- Temperature readout accuracy +2°F.
- User selectable end-of-cycle alarms
- Records number of pressing cycles done
- Teflon-coated 3/4" thick heat platen
- Lifetime warranty on heat platen
- 3-year warranty on control
- 1 year warranty on entire press
- Elec: 120V-1800W-15A / 220V-1800W-8A
- Dims: 36"L x 17"W x 16"H - 103 lbs



## **DK20** DK20 Twin Station Upgrade

Adding a twin shuttle upgrade to the DK20 clamshell allows the operator to unload and load materials while a cycle is pressing. It also negates heat platen idle time while the operator prepares the table. Production is maximized with no additional labor cost. This shuttle is solid aluminum, holding any heavy or rigid imprintable products as well as fabrics without concern.

For almost double the productivity per single operator, the Digital Knight Twin Shuttle Upgrade is an unbeatable value.



## **DK16** DK16 14" x 16" Digital Clamshell

The DK16 has all of the same features as the DK20 clamshell, with a mid-sized 14"x16" platen. The DK16 is the ideal portable professional grade T-Shirt press: with a weight of only 83 lbs !

*(A twin shuttle is not available for the DK16)*



- Elec: 120V-1500W-13A / 220V-1500W-7A
- Dims: 32"L x 17"W x 16"H - 83 lbs

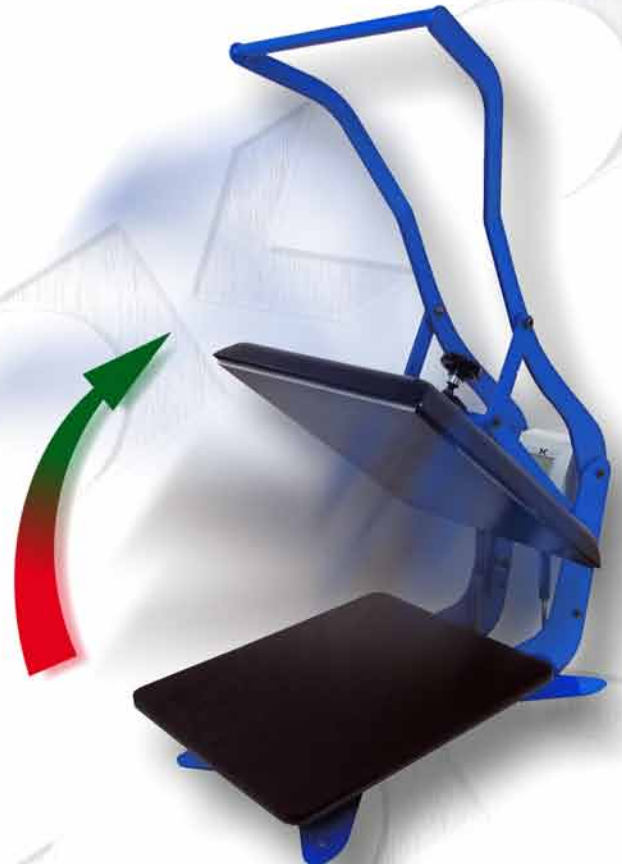


# DK20 DK16

## DK20 and DK16 "POP-UP" upgrade add-on Adds AUTO-RELEASE & HOVER features

Available for the DK20 and DK16 is our new automatic release feature. This amazing high-tech upgrade makes your Digital Knight clamshell act like an automatic, air operated press, without the compressor! Simply close the press as you normally do, and at the end of the digital timing cycle the press releases automatically.

- Includes "Hover" feature! 2-position clamping allows press to hover over work, or fully lock down with clamping pressure.
- An excellent feature for sensitive transfer applications and longer dwell times that need precise timing & release.
- Can work in tandem with the DK20 twin shuttle upgrade for a twin table, auto release, super-system!
- The dual gas shocks open the press safely and in a controlled, smooth, hydraulic motion... Unlike other models that unsafely fly open under fast mechanical spring tension.



## DK7 DK7 4" x 7" Digital Cap Press

- Fully Digital Cap Press - Same features as the DK20.
- Cap hold-down device holds caps tight to pedestal.
- **Optional** Interchangeable bottom forms available:
  - a. Euro-Low Crown
  - b. Kids-Youth
  - c. Standard 4x7 form (included)

- Elec: 120V-350W-3A / 220V-350W-2A
- Dims: 19"L x 12"W x 18"H - 60 lbs

## DK8 DK8 6" x 8" Digital Label Press

- Fully Digital 6"x8" Heat Sealer - Same features as the DK20.
- Tall loading pedestal provides plenty of drape space.
- Includes (3) Interchangeable bottom tables: 6"x8", 3"x5", 3"x3".

- Elec: 120V-350W-3A/220V-350W-2A
- Dims: 19"L x 12"W x 18"H - 70 lbs



## DK7T DK7T 4" x 7" Digital Twin Cap Press

High production twin loading version of the DK7.  
The top heat platen pivots back and forth between 2 loading stations for optimum production.

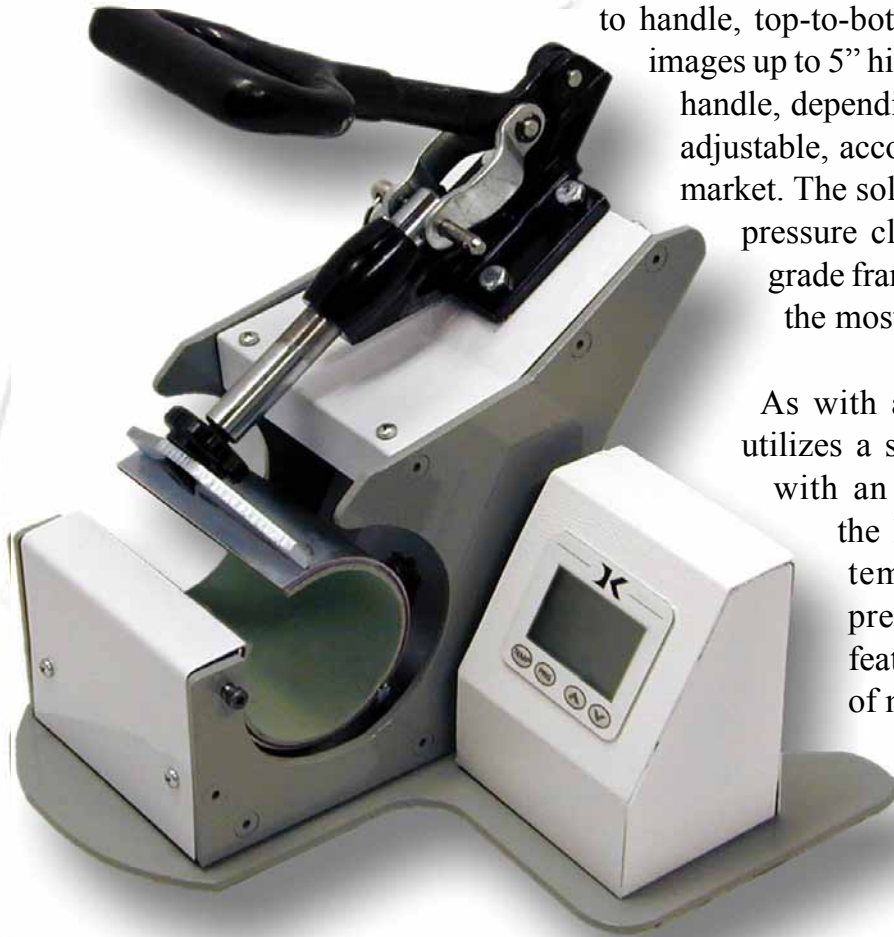
## DK8T DK8T 6" x 8" Digital Twin Label Press

High production twin loading version of the DK8.  
Includes 2 sets of interchangeable bottom tables 6"x8", 3"x5", 3"x3"





## **DIGITAL KNIGHT** **Digital Mug Press**



The DK3 Digital Mug Press is a full wrap-around, handle to handle, top-to-bottom printing mug press. It can press images up to 5" high and as close as 1/2" to 3/4" from the handle, depending on the mug size. The DK3 is fully adjustable, accommodating all mugs available on the market. The solid steel framework and die-cast heavy pressure clamp assembly provides an industrial grade framework for full bleed transfers on even the most demanding mugs.

As with all Digital Knight presses, the DK3 utilizes a state of the art digital control system with an unprecedented 3-year warranty on the heat-control electronics. With digital temperature, time and programmable presets, cycle counter and many other features, the consistency and productivity of mug printing is maximized.

At the heart of the DK3 is the SuperCoil Microwinding™ heater technology. This patented stainless steel mug heater band technology winds tightly and closely together throughout the entire platen for extremely even heat, fast recovery & fast heat up times. The DK3 will heat up in only a few minutes and runs constantly at the set temperature. Unlike other mug presses that use silicone blankets with short life-spans and even shorter warranties, the DK3 boasts an amazing 3-Year / 3,000 mug warranty.

For the absolute best, at a competitive price, there is no better solution for pressing mugs than the DK3 Digital Mug Press.

### Features & Specifications

- Fully digital temperature control
- Automatic digital timer
- Programmable presets
- SuperCoil-Microwinding™ heater
- Accommodates all standard mug sizes
- Records number of pressing cycles done
- 3-year/3,000 cycle warranty on heat platen
- 3-year warranty on control
- 1 year warranty on entire press
- Elec: 120V-450W-4A / 220V-450W-2A
- Dims: 13"L x 15"W x 15"H - 30 lbs





## Low Cost Presses with Professional Results

The JetPress machines are a heavy duty line of low-cost, economical swing away heat presses. Intended for start-ups, home use and non-commercial, hobby-oriented transfer printing, the JetPress machines are ideal for ink-jet, bubble-jet, laser, copier & sublimation iron-on transfer paper users seeking professional quality imprinting results, without the costs associated with commercial press equipment.

The JP12 and JP14 feature a Digital Countdown Timer, adjustable Temperature Control and Temperature Readout, and adjustable Pressure. These presses apply several hundred pounds of clamping force with little operator effort, at much better pressure and temperature than a hand iron can deliver, at a fraction of the time.

For light usage & portability, the JetPress line is the perfect answer... professional results for a fraction of the cost of commercial heat press equipment!

### **JetPress 12**

- 9" x 12" Heat Platen
- Digital Countdown Timer w/ alarm
- Adjustable height for items over 1" thick
- Adjustable Temperature control (over 400°F)
- Accurate Temperature gauge
- Smooth swing away action
- Solid steel welded frame
- Silicone pad pressing surface
- Heating indicator light
- Modular cord & plug
- One Year Warranty

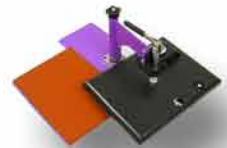
Weight: 30 Lbs  
Electrical: 650W/5.4A/120V  
Dimensions: 16"D x 18"W x 10"H



Temperature Control & Readout



Digital Timer



### **JetPress 14**

- 12" x 14" Heat Platen
- Digital Countdown Timer w/ alarm
- Adjustable height for items over 1" thick
- Adjustable Temperature control (over 400°F)
- Accurate Temperature gauge
- Smooth swing away action
- Solid steel welded frame
- Silicone pad pressing surface
- Heating indicator light
- Modular cord & plug
- One Year Warranty

Weight: 60 Lbs  
Electrical: 1200W/10A/120V  
Dimensions: 25"D x 16"W x 24"H





# MAXI•PRESS

**Available in Manual or  
Air Automatic Design**

Heat Platen sizes:

**32" x 42"**

**44" x 64"**

Available configurations:

Single Loading Table (standard)

Twin Station Teflon Shuttle (optional)

Top & Bottom Heat (optional)



The MAXI•PRESS AIR is an Automatic large format heat transfer press intended for more automated and higher pressure needs than the Manual version. The MAXI•PRESS AIR provides a more production-oriented press with a single front loading table (or optional rigid twin station shuttle). Its high pressure pneumatic lifting system is powered by a dual air-bag, 10-ton, 20,000 lbs max force, self leveling mechanism. The press is activated with a push of a button, automatically releasing at the end of the digital timing cycle. The heavy steel, triple reinforced welded C-Frame design allows for full draping of materials over the front, left and right sides of the press without hindrance.

Ideal applications that the MAXI•PRESS has performed flawlessly include: large fabrics & piece goods, full-bleed printed garments, tiles, banners, floor mats, carpets, mouse pads, plastics, sheet metal and much more.



The MAXI•PRESS **Manual** large format heat transfer press is intended for the imprinting of a vast range of materials. The MAXI•PRESS provides an oversized platen & light production oriented press with the option of a single loading table or twin teflon shuttle configuration and optional bottom heat. The gas shock lifters assist the manual opening & closing operations of the press making it easy to clamp & release.





### Standard Platen Sizes:

- 54" x 103"
- 54" x 84"
- 54" x 72"
- 54" x 60"

The 931 TRITON is a large format pneumatic heat transfer press built for pressing a wide variety of materials. It is geared towards high-production pressing of multiple piece goods as well as 4' x 8' sheet materials.

The 931 TRITON answers the demand for a more stable, solid work base along with the capability of pressing transfers in an oversized, large-area environment. Typical applications include heat transfer printing onto fabrics such as banners & garments, thicker materials such as carpets & mats, rigid goods like tile & ceramic, as well as wood, sheet metal, plastics, polyester coated synthetics and a vast range of other substrates. Typical processes used are sublimation printing, hot splits, foiling, embossing, laminating, hot-stamping, heat sealing and other applications requiring a massive size heat transfer press.



### Features:

- Digital Integrated Temperature & Time control
- Available in 240V 3-Phase or 480V 3-Phase Power
- Available in Single shuttle or Dual loading table format
- Multi Air Bag Pressure design for Self Leveling of Pressure
- Precision PLC Motor Controlled Automatic Indexing of Tables
- Uniform Lift / Parallel Platen Action & Adjustable Applied Force
- Productive Foot Pedal Operation & Emergency Release Safety Circuit
- Electronic Photo Eye Safety Sensor Light Curtain Around Heat Platen
- 2" Thick Solid Mirror Surface Ground Aluminum Heater Platen
- \*\* Oversized heat platens ranging up to 8ft x 12ft available on request \*\***

Industrial Air Bag Pneumatics provide many times heavier pressing force than cylinders. They are also self-leveling and 100% maintenance free.



Photo Eye safety circuitry provides safety protection around the heat platen.



Redundant Micro Switches confirm location of loading tables before beginning pressing cycle.

High-Strength Roller Cams & smooth computer controlled indexing allow the loading tables to quietly & gently bring the work in and out of the pressing area.

High Wattage Fire Rod Heaters are embedded deep in the core of the extra thick 2" aluminum heat platen. The platen is gun-barrel drilled and heaters are placed in close proximity along the entire length of the heat platen for the most even heat distribution possible over the entire heat platen surface.







### Digital Knight Universal Stand

Heavy duty solid steel stand. Locking and pivoting wheels. Ships disassembled and assembles in minutes. Keeps press mobile and easy to move. Makes space for tight locations & fully compatible with models: DK20S, DK20SP, DC16, DC16AP, DK20, DK16.

# Accessories



### Digital Combo 14x16 + DK8 6x8 Bottom Heated Pedestals

Separately powered and digitally controlled bottom heated pedestals. Useful for heating from the back side of embroidered patches & appliques while pressing. Also used for pressing double sided thick or hard items simultaneously. For models: DC16, DC16AP, DC8, DK8-(6x8 only)



### Teflon Wraps

Not just an accessory, a necessity. Allows garments and fabrics to slide on and off effortlessly & fast! Keeps rubber pad from pulling up, and easily wipes clean. For 16x20 and 14x16 presses.



### Teflon Sheets

Non-stick teflon sheets are the perfect cover sheet material for vinyl lettering and other application.



### Nomex Pads

Soft and heat resistant nomex pads are used for tile printing and radius wrapping. Also useful for extra soft material support.

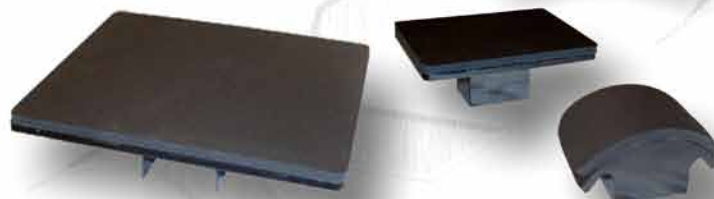


### Heat Conductive Silicone Pads

Conductive 1/8" thick green high temp pads for miscellaneous rigid surfaces.

### Digital Pyrometer

The best device for reading & calibrating temperature on your heat platen. This industrial surface contact probe is the most accurate available. *(Infrared laser guns are not accurate on aluminum surfaces)*



### Interchangeable Bottom Tables

Many different sized instant quick-change drop-on bottom tables are available for the DK20S, DC16, DC16AP, DK20, DK16, DK8, DK7 presses. These tables will help accommodate any item imaginable. Custom table requests welcome!



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