



# SmartConnect™ Cordless Hydraulic Power System for Collapsible Cores

Precast concrete forms with collapsible cores make it easier to remove the product from the form. However, powering up the hydraulics to retract and expand the core can be a hassle. Typically a large cart carrying a power unit, power cords and hoses must be wheeled to the form. The hoses must be attached to the hydraulics on the form, the unit must be plugged in and once the core moves, everything must be disconnected before the cart can move to the next form. This process not only takes time but it wastes time that could be spent working on multiple forms at once.

## Introducing SmartConnect™ \* an Intelligent Bolt-On Power Unit for hydraulic collapsible cores

With SmartConnect™, you have a self-contained hydraulic power unit that is mounted directly on the form. There are no electric carts or cords. The unit is powered by a standard 20 volt - 1/2" drive cordless drill that uses the same hydraulics to operate the core to open and close.



SmartConnect™ is mounted directly on the form to power the collapsible core hydraulics.

## Benefits of SmartConnect™

- **Save time - at least 10 mins. or more per form!**
  - No more wheeling of carts around the plant
  - No more hoses and cords to connect and disconnect. Traditional hydraulic pumping units are wheeled from form to form that require the user to connect and disconnect hydraulic hoses and electric cords. With SmartConnect™, there's no hydraulic and electrical cords to connect or disconnect, reducing or eliminating contamination to the hydraulic system.
  - No more waiting - all you need is a cordless drill to operate the unit, allowing you to work on many forms at once
  - Ultimately, your strip-out and set-up will go faster
- **Increased Safety**
  - With no electrical cords strung throughout the plant, tripping hazards are reduced
  - Minimizes potential electrical shock hazards if water is present
- **Space Saver**
  - Eliminating the bulky cart means more open floor space in an already equipment-packed area
- **Flexible**
  - Works on Afinitas forms up to 7' x 7' boxes and manhole form diameters up to 72"
  - Retrofit your existing forms (any manufacturer - see chart on back for technical specifications to consider) or add to new Afinitas form purchases
- **Quick Payback**
  - SmartConnect costs significantly less than a 110V hydraulic cart system
  - When you calculate the productivity gains and reduced safety risks, the system pays for itself in no time (in most cases 3 years or less).

\* patent-pending technology



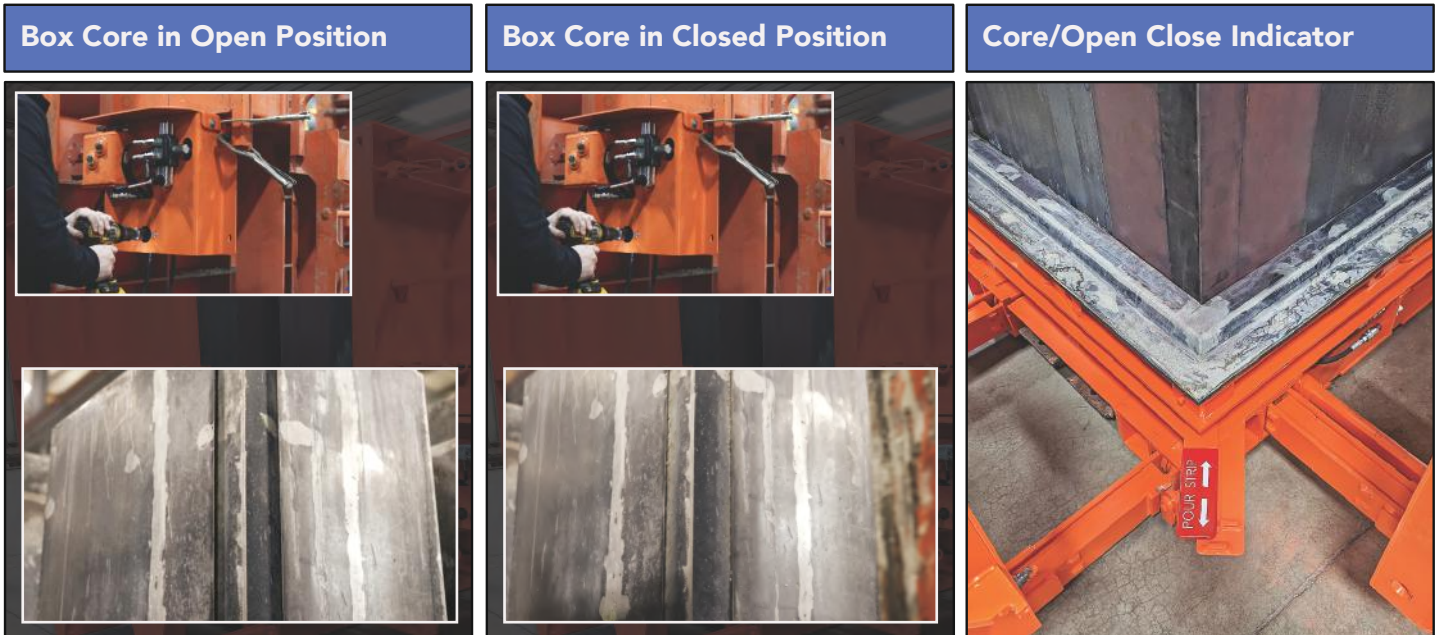
The self-contained unit is not dependent on any other equipment except a standard 20 volt - 1/2" drive cordless drill.

To get started with a SmartConnect™ System today, contact your local Afinitas Forming Systems sales representative.

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When using SmartConnect™ with other manufacturer's formwork, please consider the technical specifications below:

TECHNICAL SPECIFICATIONS	
OPERATING PRESSURE (PRESET)	1100 PSI
MAXIMUM OPERATING PRESSURE	3000 PSI
MAXIMUM RPM	5000 RPM
MINIMUM DRILL TORQUE	475 in-lbs
DIRECTION OF ROTATION	CLOCKWISE
HYDRAULIC FLUID VISCOSITY	ISO 32 or ISO 46
HOSE DIAMETER	¼" I.D.
COMPATIBLE HYDRAULIC CYLINDER TYPE	DOUBLE ACTING CYLINDERS
	PIONEER 4000 SERIES MANUAL CONNECT
QUICK DISCONNECT COUPLINGS PROVIDED	(1) MALE QUICK DISCONNECT FITTING
	(1) FEMALE QUICK DISCONNECT FITTING

Notice! SmartConnect™ is not intended to be used as a portable device. Risks of oil drainage caused by improper removal can cause internal system damage. For the optimal user experience, SmartConnect™ should remain connected to the unit at all times.

Watch  
our video



### SmartConnect™ also works on:

- Hydraulic power units for hydraulic powered collapsible precast concrete cores
- Strip assist cores • Blockout formers • Blockout formers for step pins and lift pins
- Roll-back form doors • Cordless adapter for hydraulic power units for hydraulic powered machines

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