

# SureBuilt Manufacturing



**Self Rising Core System**

## **SureBuilt differences.**

1. We have the fastest turn-around time from engineering to delivery on the market.
2. The most current designs and newest equipment on the market are what keep us ahead of the rest.
3. Our single stroke system can lift up to 20' - creating a faster cycle time, eliminating insert and extra labor costs.
4. Our pricing is the most competitive in the market to help keep your project within budget.
5. You can count on the most experienced self-rising support staff in the industry. We have the trained professionals to handle any questions or problems - easily and efficiently.
6. We have fewer ties inside the concrete because our system utilizes 6" channel walers with an HT-20 wood beam. The result is straighter walls and reduced man-hours with less chance of hitting the many rebars that are in the core.
7. Our system utilizes Imperial Dimensions (feet and inches), not metric.
8. Increased capacity and stability allows re-bar loading on the deck and a placing boom.
9. We offer increased safety and production with two levels of decks that completely cover the inside of the shafts. The decks are easily disassembled when the job is complete.
10. You can attach your placing boom right to our system, because our inside shaft form goes up as a unit and has the lifting capacity of 20 tons. This eliminates the need for a separate lifting operation for the placing boom.



## Proven results in real-world situations.



“Reducing project costs while maintaining quality and safety is the name of the game in construction. The jumping process is so simple, after initial training, we have been able to move quickly from floor to floor. Technical and customer support from SureBuilt is fantastic. From core design to on-site assistance, we can count on SureBuilt to be there.”

Frank Brazzele  
TRIBCO - Construction Services, LLC



“The time to move the forms is about half of what it normally would have taken. The elevator shafts were 14 stories high and the most we were out of plumb was 3/8”. These cores included two stair towers and two elevator shafts combined into one core with several inside walls. Now that is amazing!”

Don Kleyweg  
CER LLC - Concrete, Excavation, Removal LLC

## Once in place, the Self Rising Core System™ saves time & money.

There is no place where the saying time is money is more true than on a construction site. The Self Rising Core System can be broken, raised and reset in less than one hour. In addition to eliminating crane time, our system reduces labor costs and keeps your core project moving at a pace that will add to savings and profits.

SureBuilt Manufacturing	Traditional Core Forming	Self Rising Core System
<b>Labor:</b>	6 carpenters @ 10 hours each to disassemble forms, assist crane and reassemble forms on next level. <b>60</b> hours	3 carpenters @ 10 hours each to disengage form walls, prepare self-riser for move to next level, engage walls. <b>30</b> hours
<b>Crane Time:</b>	Movement of disassembled form walls to holding area until next placement. Movement to next level. <b>4</b> hours	Hydraulics raise forms to next level. No crane time required. <b>0</b> hours

It's easy to add up the savings with the Self Rising Core System with up to half the labor and no crane time required!

## Fast and efficient core construction

The Self Rising Core System™ from SureBuilt allows you to construct high rise cores faster and more efficiently than conventional form construction.

Completely self-sufficient, the Self Rising Core System allows one lift of a building core every 2 - 3 days - without the need of your tower crane. Other phased projects stay on track and the overall project becomes more efficient and on schedule.



**The SureBuilt Self Rising Core System helps save valuable crane time to keep your project moving!**



The Self Rising Core System frees up crane time on the job, increases efficiency and enhances safety.



Trolleys, supported by grid beams, are attached to exterior forms.



Hydraulic cylinder units allow movement to the next pour level without the use of your tower crane.

## Each Self Rising Core System™ Is Customized To Meet The Needs Of Your Job

Elevator and stairwell forms are customized for each core and pre-assembled for installation to the starter wall of the core. The wall forms include:

- Hydraulic pump units attached to inside
- Plumbing braces
- Wall landing brackets
- Grid beam support

With jack brackets and wall form landing brackets already installed, the interior walls are set in place. Steel grid beams are attached to support brackets and exterior walls are hung from trolleys supported by grid beams.



Core crew breaks and moves exterior forms.



Forms, separated from the core, are ready to move up.

## Crane-Free Placement To The Next Pour Level

Hydraulic ram units anchored to the previous pour level elevate the entire grid beam system to the next pour level. Our single stroke units can move the Self Rising System up to 20' - reducing insert and labor costs while greatly improving overall cycle time.

The entire move is controlled from a central panel and is complete within 45 minutes.

# The SureBuilt Self-Rising Core System

Crane-free and pain-free approach to core forming.

## A crane-free approach to core forming.

With a crew of 3 - 6 workers, the core cycle can be completed efficiently, while your tower crane is used on other phased projects. In 4 basic steps, a pour level is complete and moved to the next level:

- 1 Set the inner forms, steel and embedments
- 2 Set the outer forms, install ties and corner locks
- 3 Place the concrete
- 4 Strip and raise the forms

The SureBuilt Self-Rising Core system frees up crane time on the job, increases efficiency and enhances safety. It is your best core solution.



## We Have An 90% Market Share In Chicago

✓ **The Clare**  
Chicago, IL

✓ **500 N Lake Shore Drive**  
Chicago IL

✓ **OPTIMA**  
Chicago IL

✓ **Laurie Children's Hospital**  
Chicago IL

✓ **The Coast**  
Chicago IL

✓ **Summit On Lake**  
Chicago IL

✓ **Ronald McDonald House**  
Chicago IL

✓ **360 W Hubbard**  
Chicago IL

✓ **Potawatomi Hotel**  
Milwaukee WI

**SureBuilt**  
Manufacturing

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