Houston Installs and Upgrades

Preparing for the Future



November 1,2015

2014 Houston Weekly Production Ouput

- 3 Daily Newspapers
- 11 Weekly Publications
- 42 Press Runs
- 28 Insert Runs
- 2.1 Million Jackets
- 22 Million Pieces



2015 Houston Weekly Production

- 5 Daily Newspapers
- 45 Weekly Publications
- 108 Press Runs
- 82 Insert Runs
- 3.1 Million Jackets
- 28.6 Million Pieces



Austin Packaging Work

- Packaging:
 - Austin American Statesman
 - Waco Herald Tribune
 - Austin Weeklies (10)
 - HCN Weeklies (23)
- Challenge:
 - Houston didn't have enough equipment to meet the Austin's schedules
 - Austin needed all the equipment they had to package these products

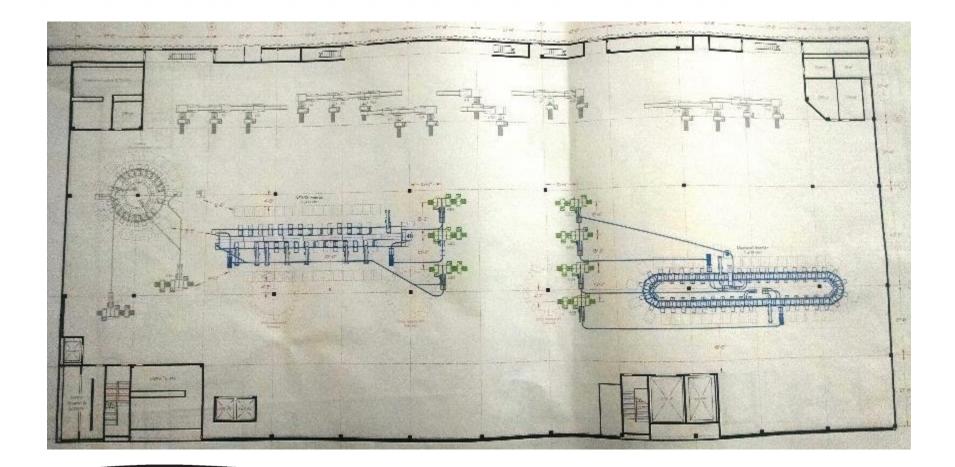


Solution

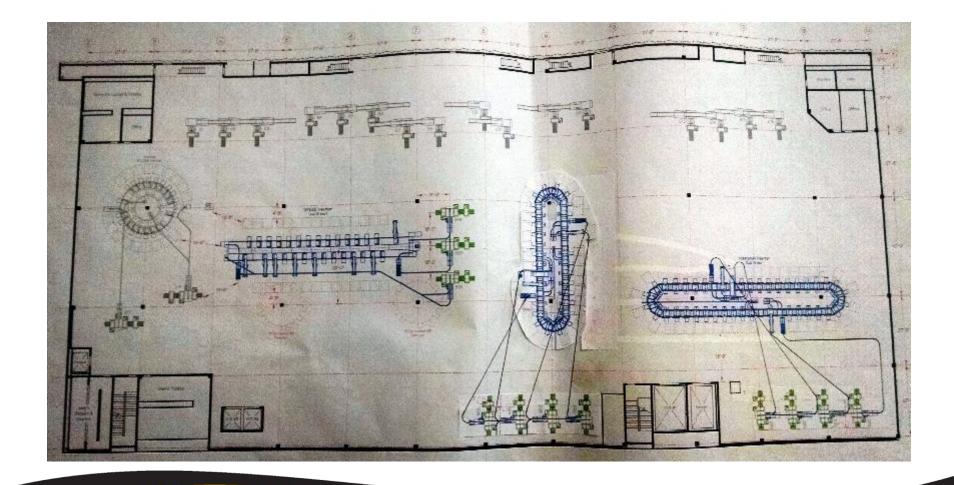
- Phased transition
 - Phase One
 - Austin Sunday Work
 - ✤ Phase Two
 - Austin Daily Inserting
 - Phase 2.1
 - Remove Austin Magnapak and move to Houston
 - ✤ Phase Three
 - HCN (23 titles 460K copies) +Waco



Houston Mailroom 2014

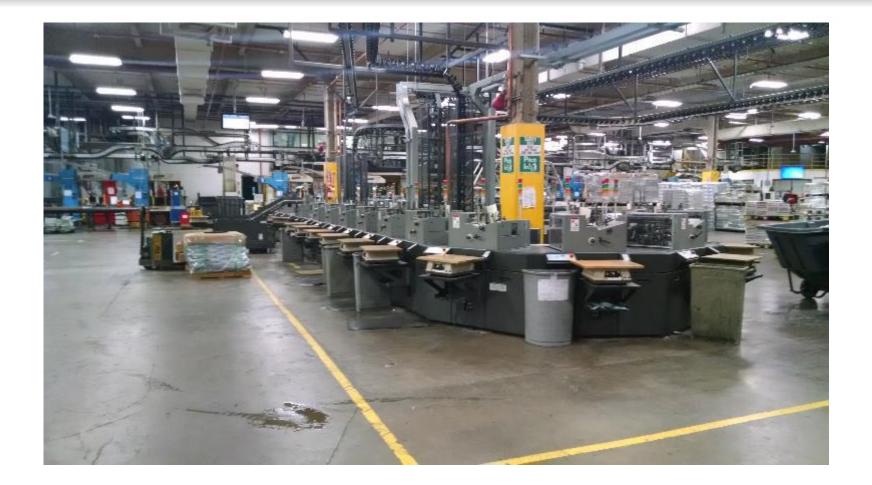








Houston's 5th Inserter





Conveyor Drops





Pressroom Changes

- Rebuild of vertical and horizontal assemblies
- Upgrade of RTP's
- Adding Color Capacity
 - San Antonio
 - Houston



Vertical and Horizontal Assemblies

Did They really need replacing???



You be the judge

• Old one



New one



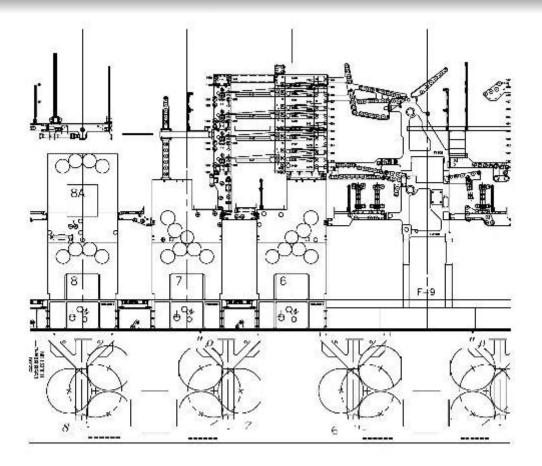


Reel Upgrade

Why did we need reel upgrades
* Age of presses, some over 25 years old
* Length and complexity of Leads



Current Back to Back Configuration





Digtial RTPs

Benefits:

Improved Registration Reduced Waste Improved Paster Performance





Press Expansion

San Antonio

 Add 11 couples to two presses increasing color capacity to 32 pages of back to back color on each press

- Houston
 - Adding two towers to press10
 - 16 additional pages of back to back color on 10
 - 8 pages of additional color on presses 8 & 12



San Antonio Expansion

- Couples purchased from Winnipeg
- Machined down to 22"



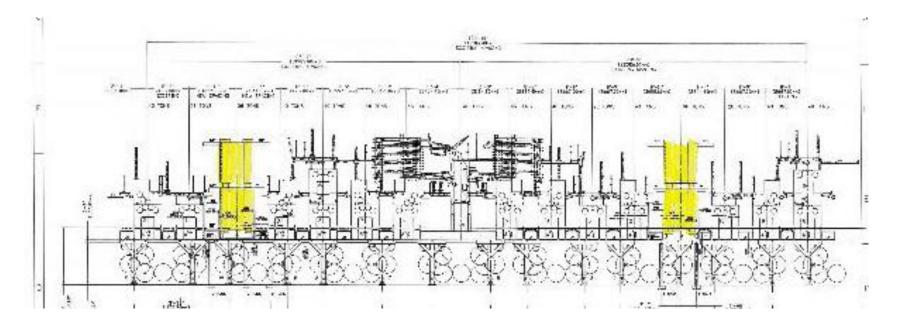




What's Next

Continued testing of our first press Begin running The New York Times (Oct) Complete install of couples on 2nd press







Excavation and Prep



Jack Piers





Something Old



Something New





Prior to Turn



Prior to Lift





What allowed us to move the units in place





Those we are working with: JBI

Haywood Baker Walter P. Moore Dugan Electric Goss

Rockwell

Technotrans

EDG

S.O.S Industrial Cleaner





- What's Next:
- **Complete install**
- Take advantage of color in Chronicle
- Seek additional commercial work
- Consider install of dryers





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