



BECAUSE VIBRANT
CHURCHES MATTER

Liturgical Publications, Inc.

Moving to Digital Finishing

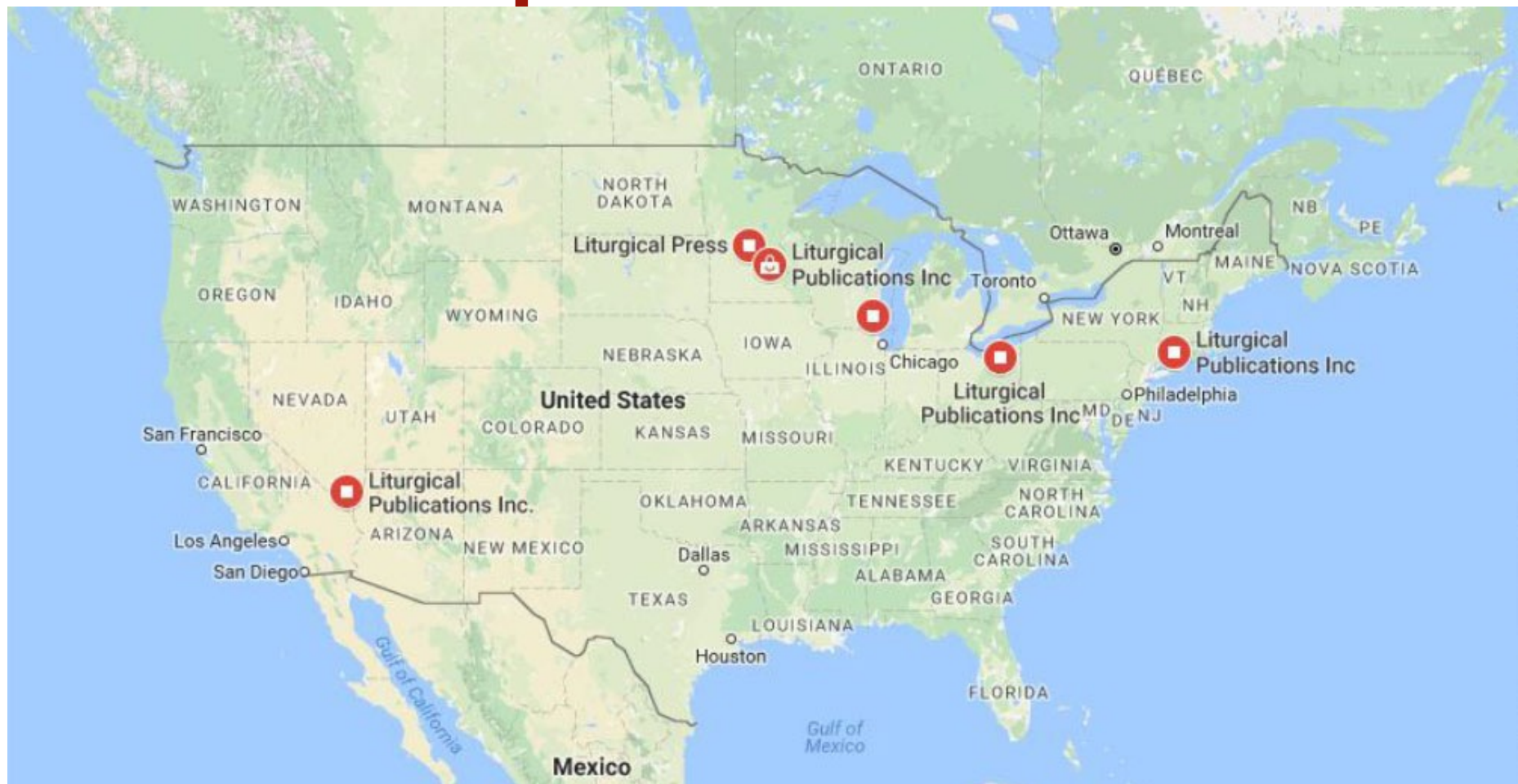


- The largest printer of church bulletins and other church media in the U.S.
- Serving 7,000 parishes every week
- Multiple production facilities across the U.S.

There is **ONE** absolute about weekly
parish bulletins.....

You have to get them to the Church **ON TIME!**

LPI's production facilities



Before Digital



Seven Narrow
web offset presses

Multiple buckle
folders



THREE saddle
stitchers



Digital Hybrid Workflow



THREE Konica
Minolta
Cut Sheet printers



FIVE Duplo
5000
Booklet Makers

Offset Process



Narrow Web
Offset



Fold to
Signature

Saddle
Stitch



Offset Process

- Average run of **800** bulletins
- Four to Five jobs per hour on average

Digital Process



HP T-230
Continuous Inkjet
20"-wide press
runs at 400 f.p.m
roll-to-roll

Digital Process



Tecna
Unwinder-
Dynamic Perf.
unit – stacker &
IBIS Interface

Digital Process



IBIS Smart-binder

Digital Process

HP "T"-series
press



Tecnau Unwinder
Cutter & IBIS
Smart-binder



Finished
Bulletins



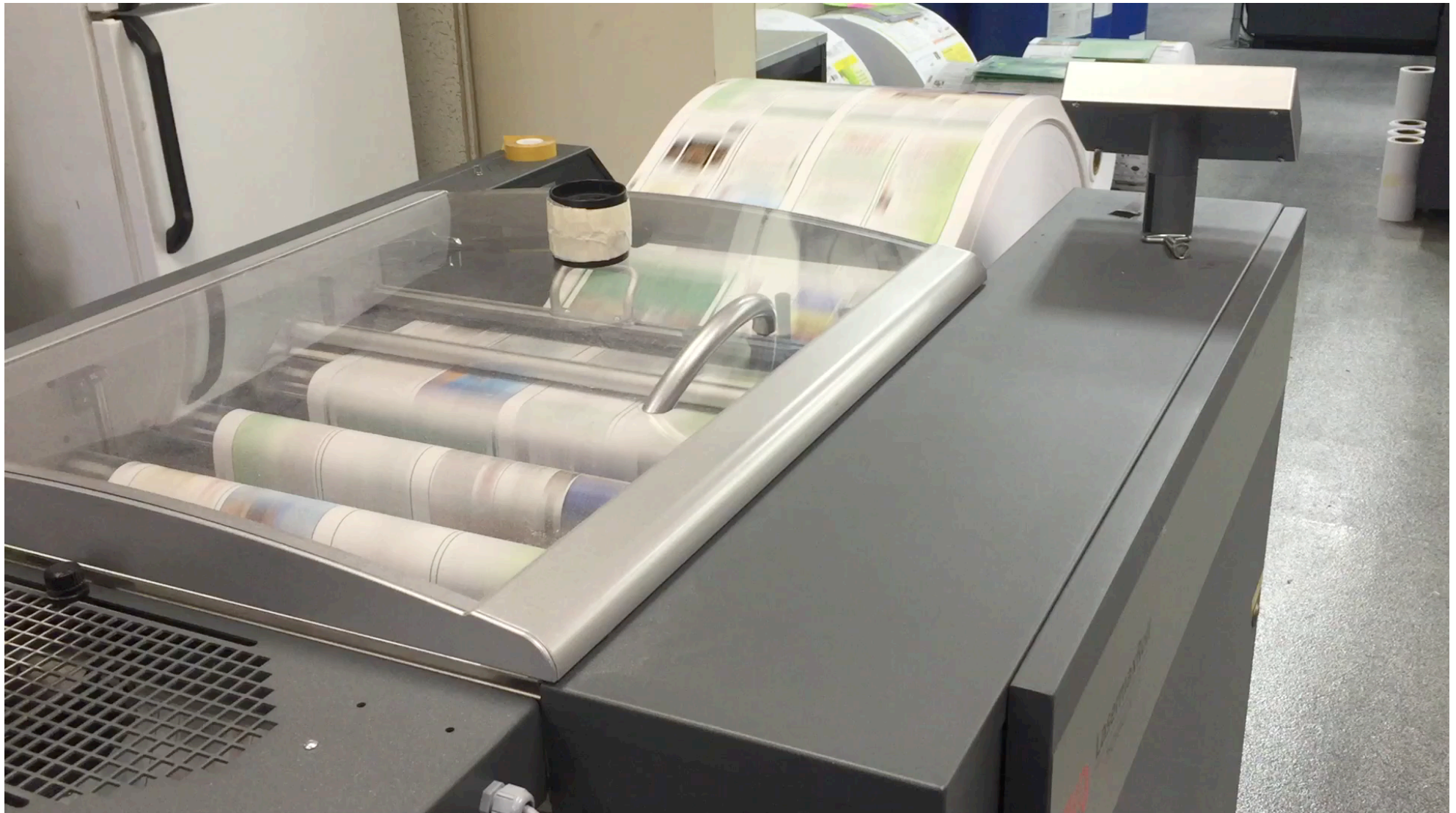
Digital Process

DOZENS of jobs per hour in a seamless production process



Digital Process

A single press operator can run **TWO** HP presses and supply **THREE** IBIS finishing lines with **ONE** operator each



According to **Ken Hause**, Pressroom Supervisor, issues that existed prior to installing the new digital finishing equipment have been resolved.



*“We’ve seen an increase in uptime, speed, and productivity. A decrease in errors, reprints and overages. We’re better able to meet customer deadlines. And.....the equipment needs **minimal** maintenance” .*

“The digital finishing equipment has smoothed out the production process tremendously”.
Hause concludes.

“Integration of the data needed for a given job is via barcode”. And because we are running our digital press roll-to-roll, and our average job is 800 booklets, job transitions are seamless.”

The end of the process



The digital platform has been implemented at **all** of LPI's plants, enabling LPI to continue its leadership position within the bulletin industry, and to **EXPAND** into new geographic areas.

The IBIS Smart-binder: **what can it do?**

Finished booklet output (or delivery of sigs to optional perfect binder)



Sheet input from Tecna web cutter (or sheet feeder)

- Produces high quality **saddle-stitched (or glued) booklets** with page-counts variable on-the-fly from **4 to 200 pages**
- Individual **sheet folding** and optional for **individual sheet gluing**
- **100% booklet integrity** for personalized booklets
- Web speeds up to **650 f.p.m.**

The IBIS Smart-binder: **what can it do?**

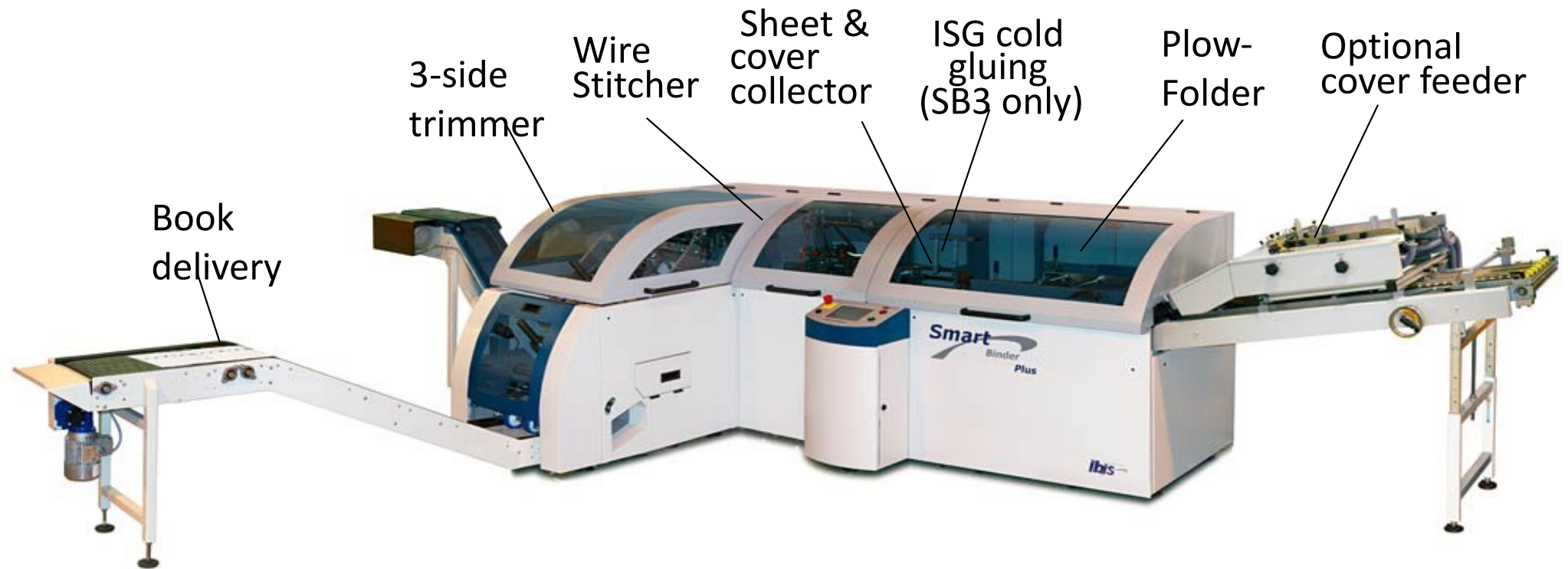
Finished booklet output (or
delivery of sigs to optional
perfect binder)



Sheet input from
Tecna web cutter
(or sheet feeder)

- Output speeds up to **7,000 booklets/hr** (1-up)
- In-line, near-line or off-line operation
- Multiple different binding options (stitching, gluing etc.)

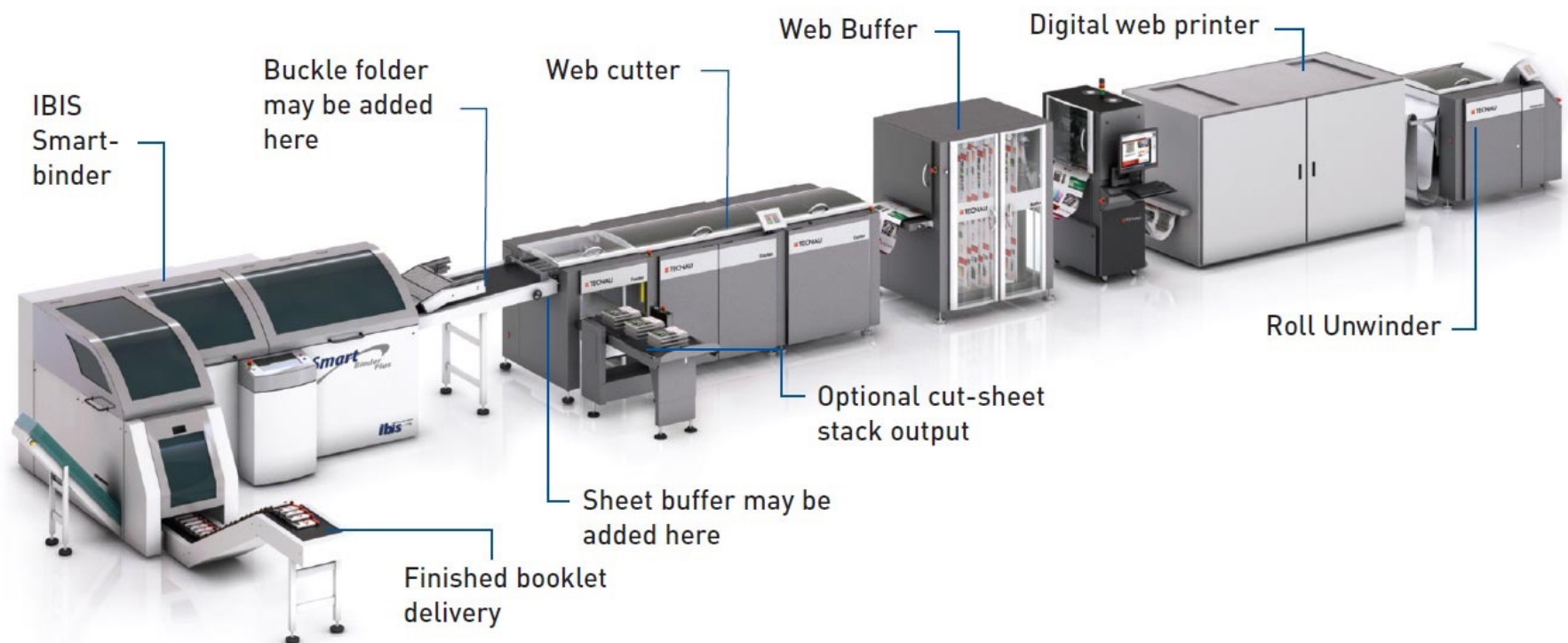
Smart-binder modules



For wire -stitched or ISG cold-glued books up to 10mm thick

In-line Smart-binder

In-line Smart-binder fed directly from digital printer and web cutter



Near-line Smart-binder

Near-line Smart-binder fed directly from roll unwinder and web cutter

IBIS Smart-binder

Tecna web cutter

Tecna unwinder



Off-line Smart-binder

Off-line Smart-binder fed directly from sheet pile feeder

IBIS Smart-binder



SB-095 sheet feeder

Feeds sheets at up to 400 sheets /min
Bar code (or 2D code) detection of each sheet. Optional PLT-100 pile loading trolley available

Optional buckle folder may be added here (for speeds above 130 m/min)

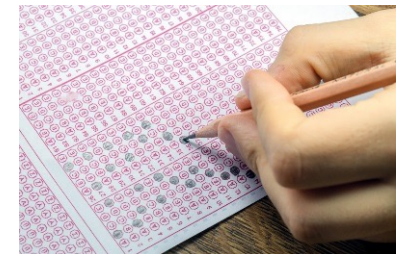
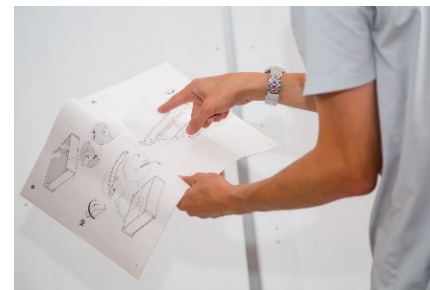
Finished booklet delivery

Smart-binder **market segments**

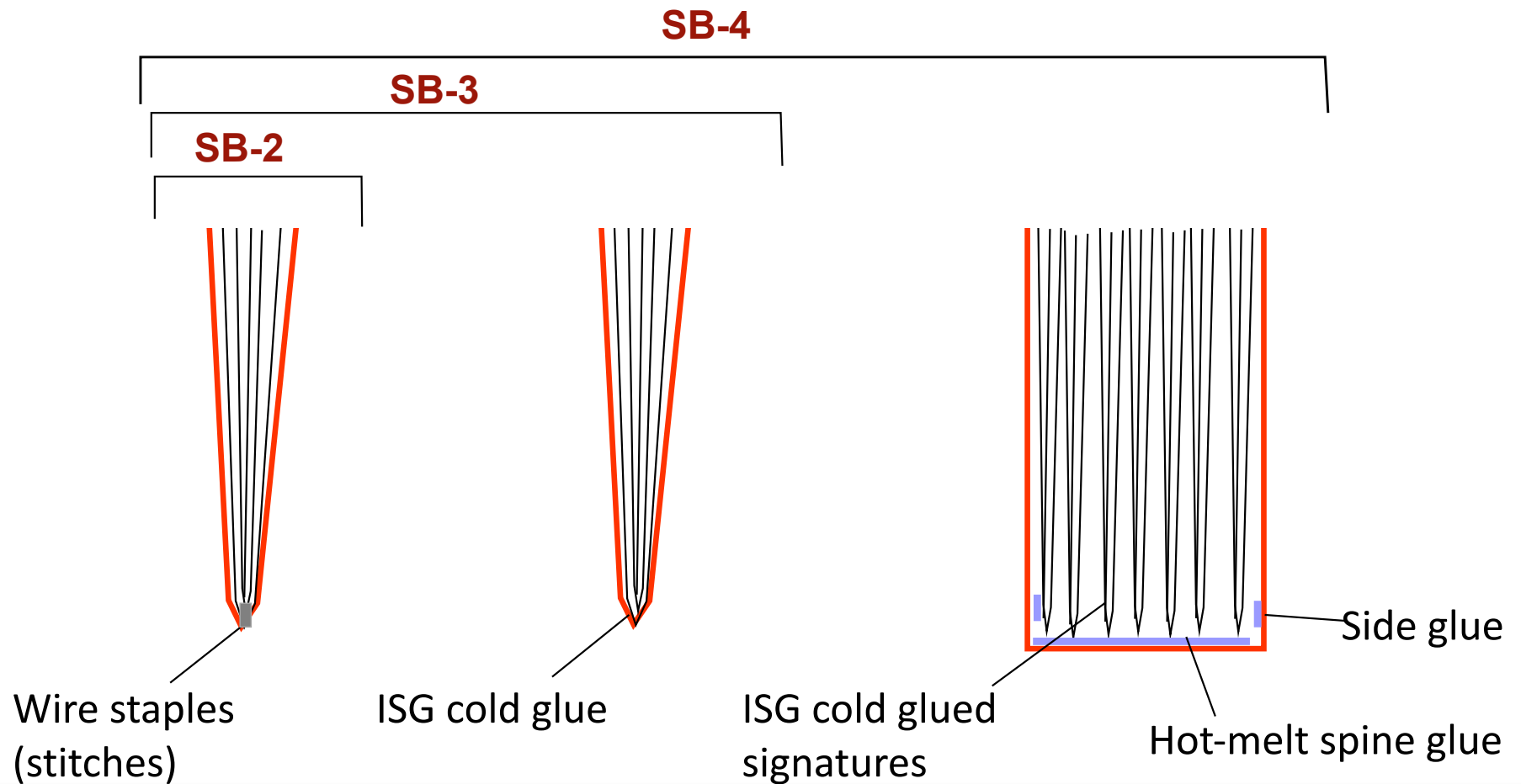
The Smart-binder is ideal for all **short-run** or **time-critical** printing

Most common Smart-binder Applications

- Healthcare and medical insurance
- Exam papers
- Other insurance documents
- Church bulletins
- Product Manuals
- Legal and Financial documents
- Government papers
- Music books, Pharmaceutical booklets, short run magazines, etc.



Multiple binding options available

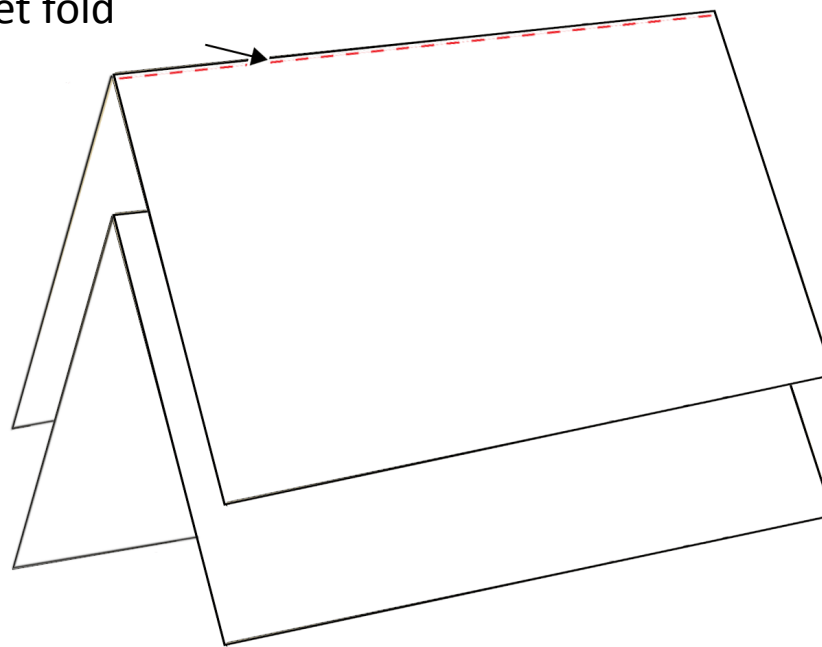




Unique, patented **ISG (Individual Sheet Gluing)**

Produces a booklet with better “lay flat” characteristics –
an advantage for mailing operations

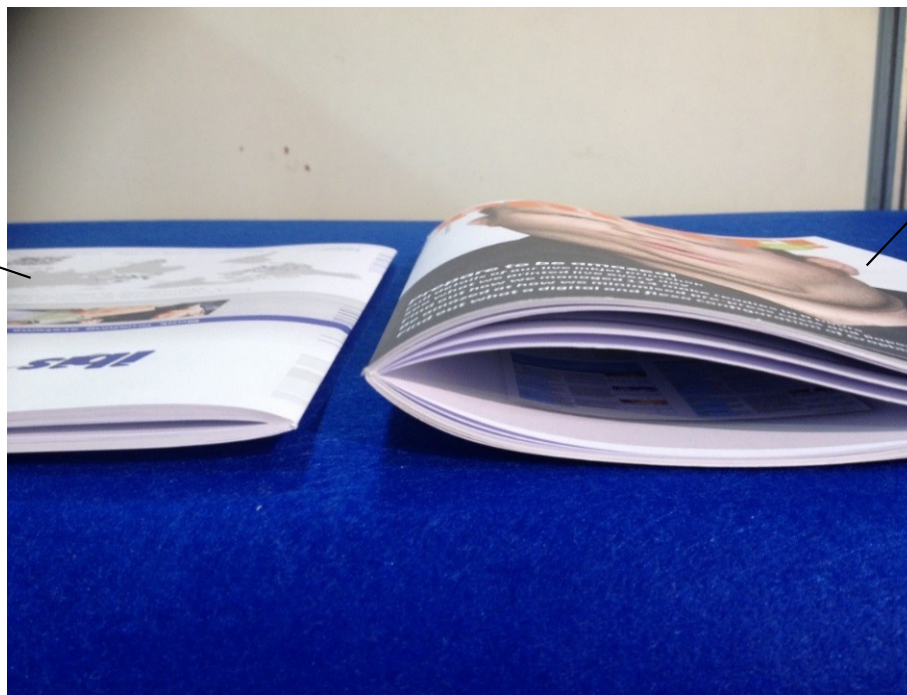
Micro-dot pattern of ISG cold glue is applied
on the **inside** of the sheet fold



Sheets are then collected
and pressed together to
create a signature, OR
“stitchless” booklet

Smart-binder book quality

72-page booklet
made on the IBIS
Smart-binder at
IPEX 14 (using
individual sheet
folding and ISG
glue binding)



44-page
booklet made
on the Horizon
Stitchliner at
IPEX 14 (wire
stitched)

IBIS Product **Customization**

- The Smart-binder may be customized for **individual applications**. Special design features will be added as needed.
- The Smart-binder can be integrated with 3rd-party systems: envelope inserters, knife folders, stackers, wrappers, tabbers ... and other modules



IBIS Bindery Systems

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