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**Brush and Forest Residuals Baler
Modular Roundwood Bunks**



***Baling & Roundwood Hauling Fireline,
Powerline, and WUI Woody Biomass:
Alternative to on-site Chipping***

Jim Dooley

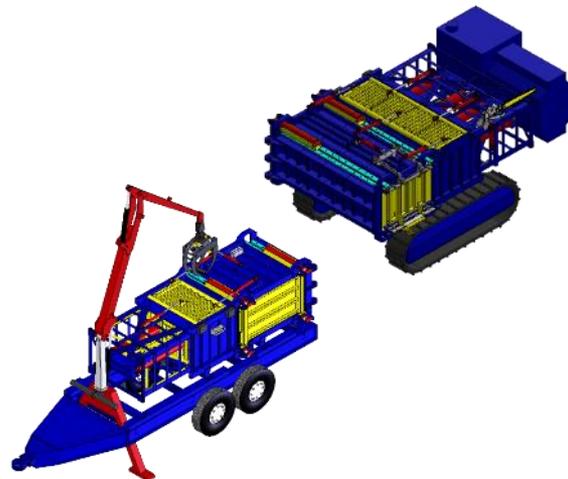
Mike Perry

Jason Perry



Why Bales and Roundwood?

- **Preserve opportunity for value-added end uses**
 - in-field chipping/grinding greatly reduces number of markets & products
- **Minimize labor, noise, dust, ... at work sites**
- **Reduce transportation cost by using conventional flatbed trucks, trailers, rail, ...**



Problems with on-site chipping of fireline debris

- Labor intensive
- Ties up skilled crews
- Precludes opportunity for beneficial use off-site

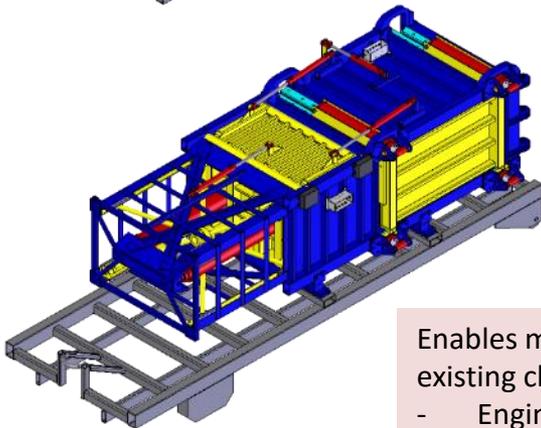
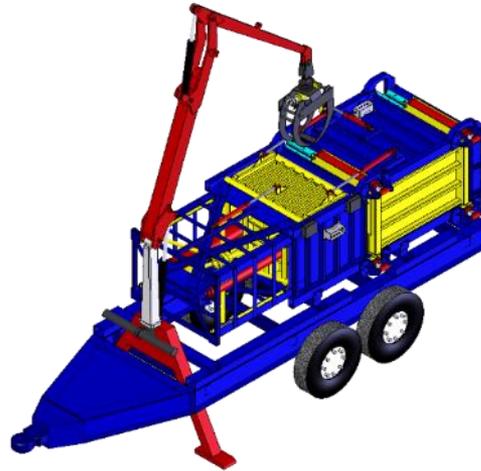
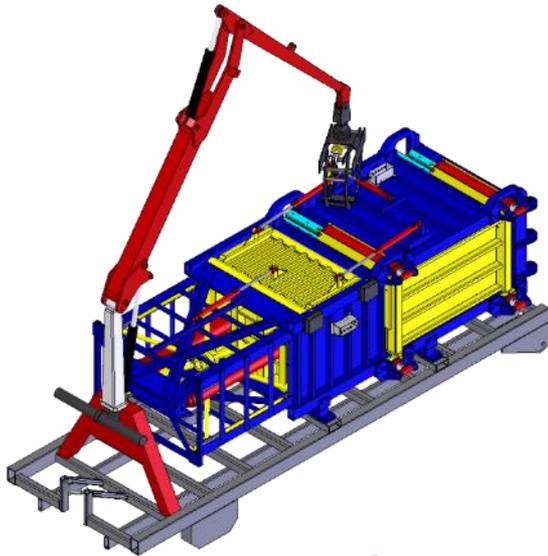


Problems with on-site chipping of wildfire protection and fuels reduction materials

- Noise and dust
- Ties up skilled crews
- Precludes opportunity for beneficial use off-site



Woody biomass baler is a modular system



Module can be mounted on:

- Hook-lift skid
- Straight trailer
- 5th-wheel trailer
- Log forwarder chassis
- AWD truck chassis

Enables maximum use of common parts with your existing chipper fleet

- Engine & hydraulic system
- Axles & tires
- Loaders & grapples



Optional Equipment:

- Slashing saw
- Wire auto-tie
- Small log/brush grapple
- Hydraulic power unit
- Tele-operation via RF
- Chassis and running gear

Why Bale? Minimize size reduction at the source (roadside, landing, or forest)



Lake Tahoe



Winthrop

This is a big WUI fuels reduction pile, BUT...it is on a play field in the middle of a residential area. Onsite chipping or grinding are not options.



Cambria



Auburn

Why Bale? Enable cost-effective transportation, storage, and processing



Woody Biomass Baler Test Wildland Urban Interface – Deschutes County, OR



Deschutes NF field demo with
Forest Resources Association,
Friends of the Metolius
City of Bend,
USFS R6 Staff



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Thank You

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